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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0305887F: Intelligence Support to Information Warfare							
COST (\$ in Millions)	All Prior Years	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
Total Program Element	-	13.507	13.357	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
670374: Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	-	13.507	13.357	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

In FY2014, 670374, Tech & Spt, efforts will transfer from PE 0305887F, Electronic Combat Intel Support, to PE 0208087F, Offensive Cyber Operations, 670375, Network Warfare Systems and Support, in order to align offensive cyber programs and projects under one program element.

A. Mission Description and Budget Item Justification

This program expedites information and cyberspace superiority capabilities from laboratory, industry, and academia to operational platforms including the Network Attack System (NAS) via the Offensive Cyber Product Line (OCPL). The OCPL is a portfolio of small programs and projects which establish a level of effort to support a balanced and rapid acquisition of cyber operational capabilities. OCPL effectiveness comes from consciously balancing funding into four capability areas required for effective operations: Common Mission Framework (CMF), platforms, access, capabilities. The program office investigates and selects the highest potential cyber and Information Operations (IO) technologies to meet specific shortfalls, deficiencies, and requirements documented by major commands (MAJCOMs), unified commands, and IO agencies in Mission Area Plans (MAPs) and capabilities documents. In accordance with AF Policy, the information and cyberspace superiority core capability areas to be considered are influence operations, electronic warfare operations and network warfare operations. OCPL efforts provide advanced cyber warfare capabilities to the 24th Air Force in direct support of USCYBERCOM and other combatant commanders. OCPL efforts also directly support the AF Information Operations Capability Plan (IOCP) and the National Military Strategy for Cyberspace Operations (NMS-CO). OCPL efforts will be prioritized and guided by the Air Force Space Command Command in support of the Joint Net Attack ICD and other applicable requirements documents. Planned areas of study, prototyping, and technology demonstration will be used to provide warfighters access, platforms, Offensive Cyber Operations (OCO) production (e.g. test and budgets), infrastructure (e.g. mission planning, intelligence, command and control), and tools needed to exploit enemy networks, telephony, Integrated Air Defense Systems (IADS), electronic warfare operations and Command and Control (C2) systems. These advancements will be used to develop and deliver cutting edge technologies to the warfighter. This capability area utilizes cyber technology investments by the Defense Advanced Research Projects Agency (DARPA), the National Security Agency (NSA), and DoD national laboratories. Activities performed include those designed to identify, analyze, test, rapidly acquire, and integrate emerging cyber technologies into all regions of the Global Information Grid. Activities also include studies and analysis to support both current program planning and execution and future program planning. Program activities are protected under AF Network Warfare Special Access Program(s).

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This program is in Budget Activity 7, Operational System Development, these budget activities include development efforts to upgrade systems currently fielded or has approval for full rate production and anticipate production funding in the current or subsequent fiscal year.						
B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		14.547	13.357	0.000	-	0.000
Current President's Budget		13.507	13.357	0.000	-	0.000
Total Adjustments		-1.040	0.000	0.000	-	0.000
• 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		-0.601	0.000			
• SBIR/STTR Transfer		-0.439	0.000			
• Other Adjustments		0.000	0.000	0.000	-	0.000
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: Common Mission Framework (CMF)				0.000	2.501	0.000
Description: The Common Mission Framework (CMF) is an offensive cyber operations architecture that enables mission planning, generation, synchronization, de-confliction, execution, and assessment by integrating OCPL-developed capabilities into a common framework.						
FY 2013 Plans: In FY13, the program office will continue to develop the CMF via necessary upgrades, modifications, equipment modernization, market research, integration, and follow-on OCO platform(s). The effort will standardize current and future cyberspace operations capabilities and begin to design and deliver a common user interface and reusable, modular components. This funding will also continue to provide the program office manpower required for oversight required to integrate numerous acquisition programs into the CMF architecture. These activities are protected under AF Network Warfare Special Access Programs.						
Title: Platforms				4.757	2.081	0.000
Description: The platforms capability area provides the hardware/software host for offensive cyber operations capabilities. This capability area facilitates key upgrades and modifications to the Network Attack System (NAS), the AF program of record for network attack. Additional programs under development include Enabling Common Cyberspace Operations (ECCO) and Black Cat (BC).						
FY 2012 Accomplishments:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
FY12 efforts continue support to United States (U.S.) Central Command (CENTCOM) JUON, Weapons System(s) modernization and AFSPC UON and continues transition of IO technologies to meet current capability gaps required by major commands, unified commands, and capabilities documents. Increase in funding is due to current operational requirements. These activities are protected under AF Network Warfare Special Access Program(s).				
FY 2013 Plans: The program office will continue to maintain the current platforms via necessary upgrades, modifications, equipment modernization, market research, integration, and follow-on OCO platform(s). This funding will also continue to provide the program office manpower required to develop or maintain offensive cyber platforms. These activities are protected under AF Network Warfare Special Access Programs.				
Title: Access Description: Access capabilities provide operators with the means to enable offensive cyber operations. Specific details are classified and available upon request.		0.559	0.669	0.000
FY 2012 Accomplishments: FY12 effort continued support to United States (U.S.) Central Command (CENTCOM) JUON, Weapons System(s) modernization and AFSPC UON and continues transition of IO technologies to meet current capability gaps required by major commands, unified commands, and capabilities documents. Increase in funding is due to current operational requirements. These activities are protected under AF Network Warfare Special Access Program(s).				
FY 2013 Plans: FY13 will continue support of anticipated CENTCOM JUON(s), CYBERCOM JUON(s), Weapons System(s) modernization and AFSPC UON(s) and Cyber Need Forms and will continue transition of IO technologies to meet capability gaps required by major commands, unified commands, and capabilities documents. These activities are protected under AF Network Warfare Special Access Program(s).				
Title: Cyber Capabilities Description: The cyber capabilities area enables the cyber warfighter a set of tools to deliver desired effects to the target. Specific details are classified and available upon request.		2.692	2.993	0.000
FY 2012 Accomplishments: FY12 effort continued support to United States (U.S.) Central Command (CENTCOM) JUON, Weapons System(s) modernization and AFSPC UON and continues transition of IO technologies to meet current capability gaps required by major commands, unified				

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
commands, and capabilities documents. Increase in funding is due to current operational requirements. These activities are protected under AF Network Warfare Special Access Program(s).				
FY 2013 Plans: FY13 will continue support of anticipated CENTCOM JUON(s), CYBERCOM JUON(s), Weapons System(s) modernization and AFSPC UON(s) and Cyber Need Forms and will continue transition of IO technologies to meet capability gaps required by major commands, unified commands, and capabilities documents. These activities are protected under AF Network Warfare Special Access Program(s).				
Title: Program Management Administration (PMA) - FFRDC Description: PMA support by MITRE Corporation (Federally Funded Research and Development Center (FFRDC)) provides unique engineering and in-depth technical expertise to assist in resolving near-term and far-term cyber challenges.		1.233	1.049	0.000
FY 2012 Accomplishments: This funding continued to provide program office advisory engineering, technical, logistical and scheduling support required for oversight of OCPL acquisition programs/projects. These activities are protected under AF Network Warfare Special Access Program(s).				
FY 2013 Plans: FY13 funding will continue to provide program office specialized engineering/technical manpower support required for oversight of OCPL acquisition programs/projects. These activities are protected under AF Network Warfare Special Access Program(s).				
Title: Program Management Administration (PMA) - Engineering & Technical Support Description: PMA support for Engineering and Technical acquisition related support to Program Office (includes Systems Engineers, Logisticians, Configuration Management and Scheduler.		1.175	1.210	0.000
FY 2012 Accomplishments: In FY12, Other support cost included Specialized Security and IT Support, Cost Estimating Support, Security Protection, and other miscellaneous costs (i.e., travel, supplies, facility lease, communication lines, and acquisition support specialist). These activities are protected under AF Network Warfare Special Access Program(s).				
FY 2013 Plans: In FY13, funding will continue to provide program office engineering, technical, logistical, configuration management and scheduling manpower support required for oversight of OCPL acquisition programs/projects. These activities are protected under AF Network Warfare Special Access Program(s).				
Title: Program Management Administration (PMA) - Other		1.316	1.217	0.000

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Description: Other support costs include Specialized Security and IT Support, Cost Estimating Support, Security Protection, and other miscellaneous costs (i.e., travel, supplies, facility lease, communication lines, and acquisition support specialist). FY 2012 Accomplishments: Funding continued to provide the required developmental testing and operational testing for new tool development prior for future fielding to the operational platform. This funding provides the secure environment for such testing. FY 2013 Plans: In FY13, will continue other support cost which include Specialized Security and IT Support, Cost Estimating Support, Security Protection, and other miscellaneous costs (i.e., travel, supplies, facility lease, communication lines, and acquisition support specialist). These activities are protected under AF Network Warfare Special Access Program(s).			
Title: Test and Evaluation Description: Test & Evaluation (46 Det 2) and 346 TS development testing. FY 2012 Accomplishments: Funding continued to provide the required development testing and operational testing for new tool development prior for future fielding to the operational platform. This funding provided the secure environment for such testing. FY 2013 Plans: Funding will continue to provide the required developmental and operational testing for new tool development prior for future fielding to the operational platform. This funding will provide the secure environment for such testing.		1.775	1.637
Accomplishments/Planned Programs Subtotals		13.507	13.357
D. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
E. Acquisition Strategy			
The acquisition strategy will utilize Concept, Development, Risk Management or Production and Deployment Plans as a phased approach to acquisition planning. These plans are intended to meet the written acquisition planning requirements and guidance. All plans will contain sufficient information for the Milestone Decision Authority (MDA) to determine readiness to enter into the applicable phase of the acquisition process. The Network Warfare Systems Program Office will look at existing vehicles such as Government-Wide Acquisition Contract (GWAC) vehicles (Alliant, Encore II, Solutions for Enterprise-Wide Procurement IV (SEWP IV), etc), and General Services Administration (GSA) Federal Supply Schedules. Multiple award vehicles provide a wide range of commercially available products and services that should be able to meet many requirements related to offensive cyber operations. These multiple award vehicles have already met the statutory requirements of the			

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Competition in Contracting Act (CICA) and only require that we provide a fair opportunity to all contract holders, in accordance with Federal Acquisition Regulation (FAR) 16.505, unless an exception to fair opportunity applies. Also, the of Broad Agency Announcements (BAAs)for OCPL (NWOC) tools will allow us to constantly accept, analyze, and acquire promising new commercial capabilities to enhance our arsenal of network warfare tools. <u>F. Performance Metrics</u> 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			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0305887F: Intelligence Support to Information Warfare				PROJECT 670374: Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt					
Product Development (\$ in Millions)				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
Common Mission Framework (CMF)	C/CPAF	Various:Various,	-	0.000		2.501	Feb 2013	0.000		-		0.000	Continuing	Continuing	
Platforms	C/CPFF	General Dynamics:San Antonio, TX	-	4.757	Feb 2012	2.081	Nov 2012	0.000		-		0.000	Continuing	Continuing	TBD
Access	C/CPFF	Various:Various,	-	0.559	Feb 2012	0.160	Nov 2012	0.000		-		0.000	Continuing	Continuing	TBD
Cyber Capabilities	C/CPAF	Various:Various,	-	2.692	Feb 2012	2.193	Nov 2012	0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	8.008		6.935		0.000		0.000		0.000			
Support (\$ in Millions)				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
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation (\$ in Millions)				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
46 Det 2 Test Squadron & 346 Test Squaddron	C/T&M	Multiple:San Antonio, TX	-	1.775	Jan 2012	1.568	Nov 2012	0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	1.775		1.568		0.000		0.000		0.000			
Management Services (\$ in Millions)				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
Other PMA	C/CPAF	Various:Various,	-	1.316	Feb 2012	2.090	Nov 2012	0.000		-		0.000	Continuing	Continuing	

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Management Services (\$ in Millions)				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
PMA - FFRDC	C/CPAF	MITRE:San Antonio, TX	-	1.232	Feb 2012	1.446	Nov 2012	0.000		-		0.000	Continuing	Continuing	
PMA - Engineering & Technical Support	C/CPAF	Various:San Antonio, TX	-	1.176	Jan 2012	1.318	Nov 2012	0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	3.724		4.854		0.000		0.000		0.000			

	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
Project Cost Totals	0.000	13.507	13.357	0.000	0.000	0.000			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0305887F: *Intelligence Support to Information Warfare*

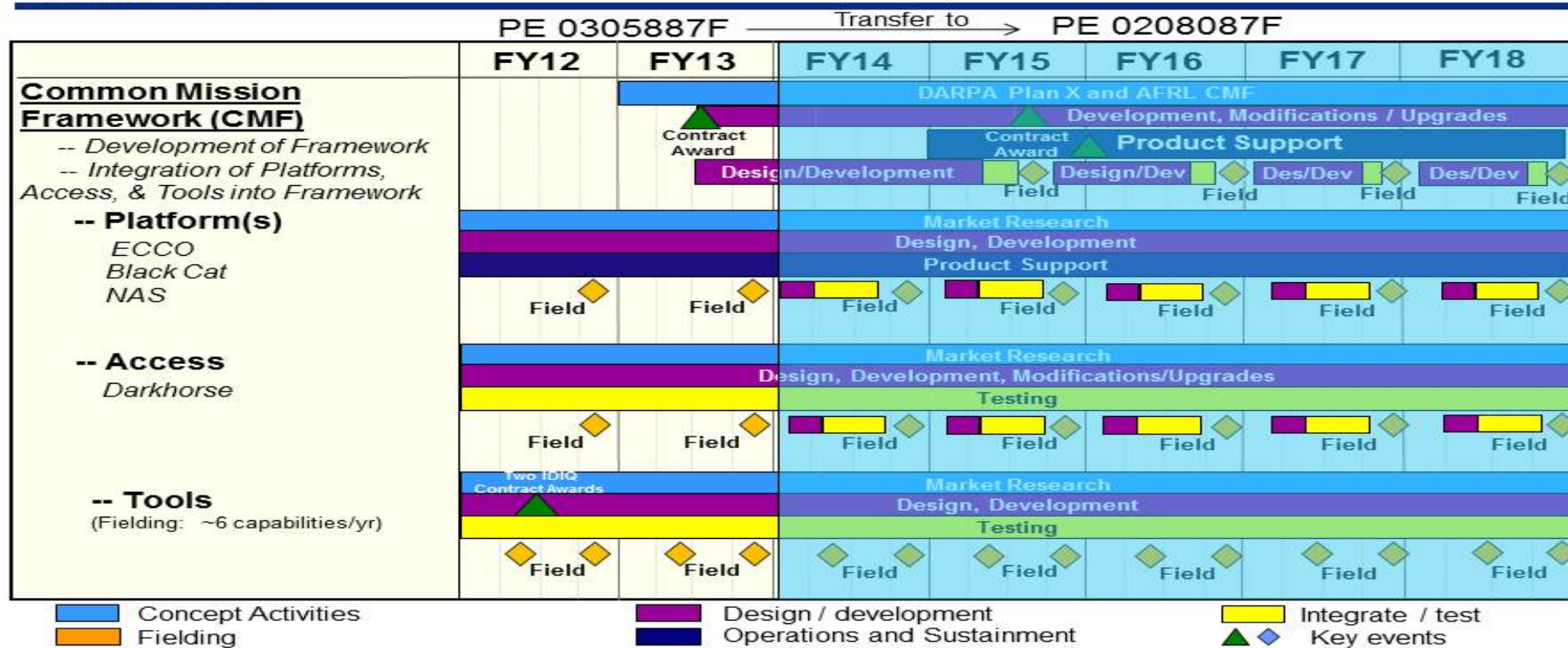
	PROJECT
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670374: *Electronic Combat Spt, C3
Protection/Multi-Mission, Technology and
Spt*



U.S. AIR FORCE

Electronic Combat Intel Support Schedule



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

Events	Start		End	
	Quarter	Year	Quarter	Year
Common Mission Framework (CMF)	1	2012	4	2013
Platforms	1	2012	4	2013
Access	1	2012	4	2013
OCPL - Tools	1	2012	4	2013