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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 0208021F: Information Warfare Support							
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	-	2.105	7.159	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
670374: TECH and SPT	-	2.105	7.159	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 transferred to PE 0305221F, Network Centric Collaborative Targeting, 675197, NCCT Core Technology, in order to better support and align with the Suter Program System (SPS).												
A. Mission Description and Budget Item Justification												
This Program Element funds research and development of strategy, assessment, and information operations (IO) capabilities required in support of Air Operation Center (AOC) command and control processes and supported combatant commanders. Programs currently supported include the Information Warfare Planning Capability (IWPC) - the Joint Forces Air Component Commander's (JFACC) system of record for strategy, operational assessment and network mapping/network nodal analysis. IWPC is a full-spectrum, offensive and defensive, planning capability. IWPC is an AOC weapon system component which enables operators to develop courses of action for the JFACC, create Air Operations Directives (AODs) and Joint Air Operations Plans (JAOPs), and nominate IO "targets" for inclusion into the Master Air Attack Plan and the Joint Integrated Prioritized Target List (JIPTL). This project funds the development and upgrade, testing and evaluation, and installation and training of an evolving suite of interoperable planning and decision support capabilities comprised of software, hardware, and communications products. This project will identify and implement an open, scalable system architecture that will accommodate growth as the virtual world grows and cyber operations change. The project builds functional software modules that are designed to be interoperable with Command and Control (C2) systems such as the Theater Battle Management Core System (TBMCS), Joint Targeting Toolbox, and other AOC tools. This PE funds development and continued research to identify existing military and commercial efforts which can satisfy unfulfilled operational requirements for IO analysis, targeting, planning, and integration. Activities also include studies and analysis to support both current program planning and execution and future program planning.												
FY13 funding also supports the National Technical Nuclear Forensics (NTNF) program. The NTNF program provides the US Government's framework to identify the source of a nuclear detonation in US or allied territory. AF contributions to this effort, include, but are not limited to collection of airborne particulate material following an incident. Currently, collection would be accomplished via a WC-135 Constant Phoenix aircraft, which is a limited availability asset (only one primary aircraft in the fleet). The Defense Threat Reduction Agency (DTRA) is developing a harvester pod with the potential of being mounted on an aircraft that will provide additional capacity to conduct this mission. Funding will provide integration and testing of that pod.												
This program is in Budget Activity 7, Operational System Development, because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												

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B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		2.314	7.159	0.000	-	0.000
Current President's Budget		2.105	7.159	0.000	-	0.000
Total Adjustments		-0.209	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		-0.145	0.000			
• SBIR/STTR Transfer		-0.064	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: IWPC				2.105	2.205	0.000
Description: Information Warfare Planning Capability (IWPC) Installation/Training/Upgrades						
FY 2012 Accomplishments: Funding provided maintenance that allowed IWPC program to meet continued warfighter requirements. This project also provided training and upgraded the IWPC suite of planning and decision support tools.						
FY 2013 Plans: Funding continues development of IWPC capabilities to meet continued warfighter requirements.						
Title: NTNF				0.000	4.954	0.000
Description: Funding provides integration and testing of collection pod (harvester pod) on the C-130J and MQ-9 platforms. It also provides support for Concept of Operations (CONOPS) and Tactics, Techniques, and Procedures (TTP) development.						
FY 2013 Plans: This funding supports the NTNF program. The Defense Threat Reduction Agency (DTRA) will develop a pod (Harvester pod)capable of collecting airborne particulate material following a nuclear detonation. Funding will provide the integration and testing of the pod.						
Accomplishments/Planned Programs Subtotals				2.105	7.159	0.000

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D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy Beginning in FY12, the majority of IWPC funding was used to support a new network mapping application to improve C4I nodal analysis and the integration of kinetic and non-kinetic capabilities. In FY14, IWPC program funds are being redirected to Big Safari (645 AESG) for continued support of this improved capability.		
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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development						PE 0208021F: Information Warfare Support				670374: TECH 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
IWPC Prime Contract	SS/FFP	General Dynamics:San Antonio, TX	-	1.194	Oct 2011	1.089	Oct 2012	0.000		-		0.000	Continuing	Continuing	TBD
NTNF	TBD	DTRA:,	-	0.000		4.954		0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	1.194		6.043		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
Engineering Support	Various	Various:San Antonio, TX	-	0.375	Oct 2011	0.379	Oct 2012	0.000		-		0.000	Continuing	Continuing	
Congressional Add	Various	Various:Lackland AFB, TX	-	0.000		0.000		0.000		-		0.000	0.000	0.000	
Subtotal			0.000	0.375		0.379		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
IWPC 46 Test Support	C/CPAF	46th TS:Eglin AFB, FL	-	0.100	Feb 2012	0.200	Oct 2012	0.000		-		0.000	Continuing	Continuing	TBD
IWPC 605th Test Support	C/CPAF	605th:Eglin AFB, FL	-	0.100	Oct 2011	0.067	Oct 2012	0.000		-		0.000	Continuing	Continuing	TBD
NTNF Test Support	TBD	TBD:TBD,	-	0.000		0.000		0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	0.200		0.267		0.000		0.000		0.000			

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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
Acquisition Support	C/CPAF	Various:San Antonio, TX	-	0.336	Nov 2011	0.470	Nov 2012	0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	0.336		0.470		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	2.105	7.159	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

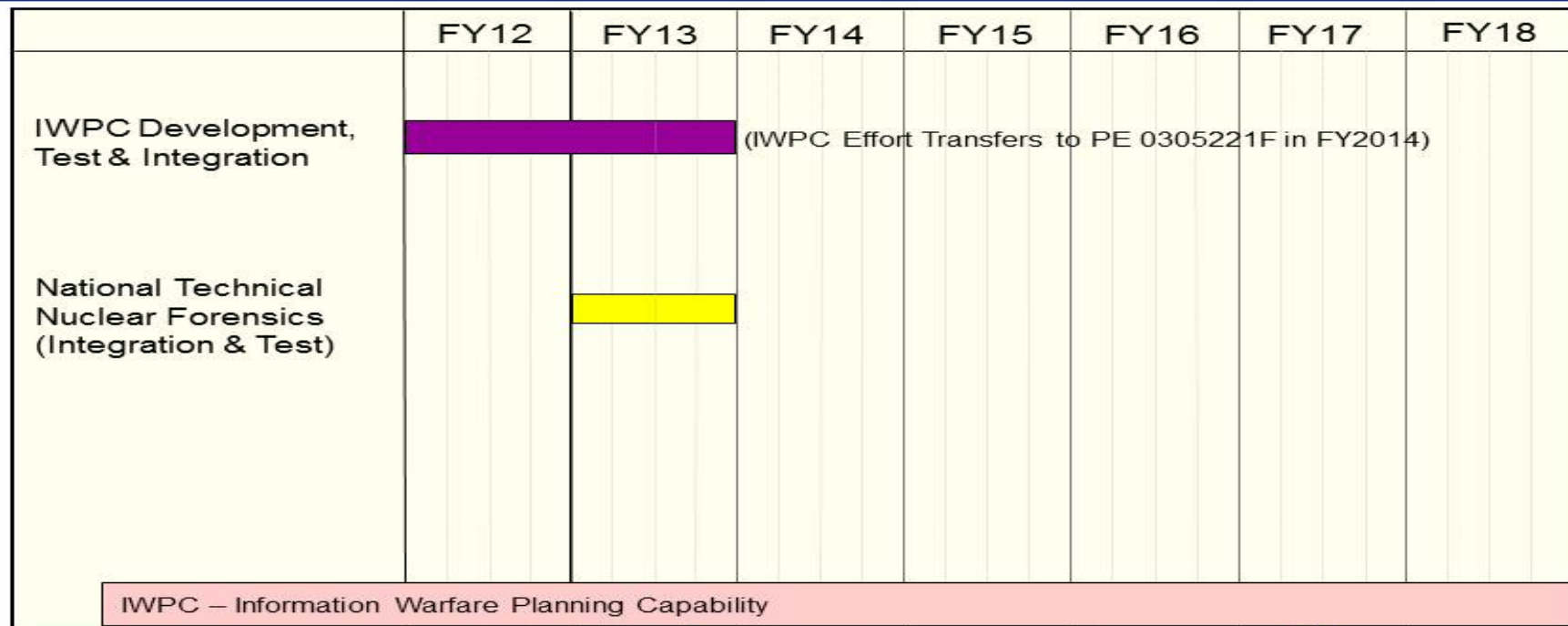
PE 0208021F: *Information Warfare Support*

PROJECT

670374: *TECH and SPT*



IWPC Program Schedule



[Blue Box] Concept Activities
[Yellow Box] Integrate / test

[Purple Box] Design / development
[Orange Box] Fielding

[Blue Diamond] [Yellow Diamond] Key Events
[Green Triangle] Contract Award

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Exhibit R-4A, RDT&E Schedule Details: 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 0208021F: *Information Warfare Support*

PROJECT

670374: *TECH and SPT*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
IWPC Development Test & Integration	1	2012	4	2013
NTNF Program Integration & Test	1	2013	4	2013