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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0208021F: <i>Information Warfare Support</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	2.152	2.314	7.159	-	7.159	2.235	2.265	2.331	2.540	Continuing	Continuing
670374: <i>TECH and SPT</i>	2.152	2.314	7.159	-	7.159	2.235	2.265	2.331	2.540	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

In FY2013, 670374, Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt, includes new start efforts.

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 JFACC's 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 Joint Forces Air Component Commander (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 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 1 primary a/c in the fleet). The Defense Threat Reduction Agency (DTRA) is developing a pod (Harvester pod) capable of being mounted on an aircraft (TBD) 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, 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.

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B. Program Change Summary (\$ in Millions)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget		2.294	2.322	2.355	-	2.355
Current President's Budget		2.152	2.314	7.159	-	7.159
Total Adjustments		-0.142	-0.008	4.804	-	4.804
• Congressional General Reductions		-	-0.008			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.060	-			
• Other Adjustments		-0.082	-	4.804	-	4.804
Change Summary Explanation						
FY11 Congressional General Reduction of 0.082M in Other Adjustment row.						
FY12 Congressional General Reduction (FFRDC, Sec. 8023) of 0.008M.						
FY13 funding increased to support NTNF program.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2011	FY 2012	FY 2013
Title: IWPC				2.152	2.314	2.205
Description: Information Warfare Planning Capability (IWPC) Installation/Training/Upgrades						
FY 2011 Accomplishments: This funding continued the maintainance of the IWPC program to meet warfighter requirements. This project funded the upgrades, installation, and training of the IWPC suite of planning and decision support tools. Software and hardware updates were necessary to keep up with existing technology and maintain interoperability with external programs. These funds also support required testing and contract support. Completed IWPC Obsolescence study; software reaching end-of-life.						
FY 2012 Plans: This funding supports maintenance of the IWPC program to meet continued warfighter requirements. This project continues training and upgrades of the IWPC suite of planning and decision support tools. Software and hardware updates are necessary						

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C. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013		
to keep up with existing technology and maintain interoperability with external programs. Funding also funds required testing and contractor support.											
FY 2013 Plans: This funding will support continuing maintenance of the IWPC program to meet continued warfighter requirements and will fund upgrade training and upgrades/modifications of the IWPC suite of planning and decision support tools. Software and hardware updates are necessary to keep up with existing technology and maintain interoperability with external programs. Funding will also fund required testing and contractor support.											
Title: NTNF 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.							-	-	4.954		
Accomplishments/Planned Programs Subtotals							2.152	2.314	7.159		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• O&M, PE 0208021F, Informatio...: <i>Sustainment and Maint Releases</i>	2.380	2.358	2.287	0.000	2.287	2.336	2.367	2.414	2.446	Continuing	Continuing
E. Acquisition Strategy IWPC site installations of Ver 4.2.5 were completed in FY11. Future upgrades will be delivered as maintenance releases with incremental increases in 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-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0208021F: <i>Information Warfare Support</i>	PROJECT 670374: <i>TECH and SPT</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
IWPC Development Test & Integration	1	2011	4	2017
IWPC 4.2.5 Fielding/Site Installation	1	2011	4	2011
IWPC Upgrades/Maintenance Releases	1	2011	4	2017
Exercises	1	2011	4	2017
NTNF Program Integration & Test	1	2013	4	2013