Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force											Date: March 2014	
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*					**R-1 Program Element (Number/Name)** PE 0208021F *I Information Warfare Support*							
COST ($ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	6.373	-	-	-	-	0.259	0.265	0.271	0.277	Continuing	Continuing
670374: *TECH and SPT*	-	6.373	-	-	-	-	0.259	0.265	0.271	0.277	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 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.

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.

No FY15 funding is requested for these efforts.

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force				Date: March 2014	
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*			**R-1 Program Element (Number/Name)** PE 0208021F *I Information Warfare Support*		

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.

B. Program Change Summary ($ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	7.159	-	-	-	-
Current President's Budget	6.373	-	-	-	-
Total Adjustments	-0.786	-	-	-	-
• Congressional General Reductions	-0.009	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.188	-			
• Other Adjustments	-0.589	-	-	-	-

Change Summary Explanation

FY13 reduced $.589M due to Sequestration

C. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Title: IWPC	1.966	-	-
Description: Information Warfare Planning Capability (IWPC) Installation/Training/Upgrades *FY 2013 Accomplishments:* Funding continued the development of the network nodal analysis component of the IWPC program (specifically Project SUTER) to meet ongoing warfighter requirements.			
Title: NTNF	4.407	-	-
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 Accomplishments:*			

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force	Date: March 2014
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0208021F *I Information Warfare Support*

C. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
FY13 funding supported the NTNF program. The Defense Threat Reduction Agency (DTRA) completed development, integration, and testing of a pod (Harvester pod) capable of collecting airborne particulate material following a nuclear detonation. The pod was integrated and tested on C-130J and MQ-9 platforms.			
Accomplishments/Planned Programs Subtotals	6.373	-	-

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.

Exhibit R-4, **RDT&E Schedule Profile:** PB 2015 Air Force		**Date:** March 2014
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0208021F / *Information Warfare Support*	**Project (Number/Name)** 670374 / *TECH and SPT*

IWPC Program Schedule

U.S. AIR FORCE

	FY12	FY13	FY14	FY15	FY16	FY17	FY18

IWPC Development, Test & Integration — (IWPC Effort Transfers to PE 0305221F in FY2014)

National Technical Nuclear Forensics (Integration & Test)

IWPC – Information Warfare Planning Capability

Legend:
- Concept Activities
- Integrate / test
- Design / development
- Fielding
- Key Events
- Contract Award