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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 0207247F / AF TENCAP							
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	-	58.514	89.816	5.812	-	5.812	31.637	24.389	18.191	18.537	Continuing	Continuing
670001: Air Force TENCAP	-	58.514	89.816	5.812	-	5.812	31.637	24.389	18.191	18.537	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

Air Force TENCAP increases warfighter effectiveness through the exploitation of national capabilities and promotes cross-domain integration of these capabilities into military operations/training, intelligence, surveillance and reconnaissance (ISR) activities.

AF TENCAP exploits existing air, space, cyber, national and global ISR, and Non-Traditional ISR (NTISR) for operational and tactical applications by rapidly prototyping and providing capability demonstrations. Projects are designed to transition to warfighters and/or national intelligence agencies for operational use, sustainment and appropriate acquisition Programs of Record for further development. AF TENCAP projects can influence the design and operation of future air, space, cyber, national and global ISR and NTISR while providing awareness to warfighters and national intelligence agency organizations and units.

Program consists of multiple small projects supporting one of eight mission/investment areas as a reflection of the Air Force Core Function Mission Areas (CFMAs). Mission areas include: ISR for Space and Space Capabilities, National and Operational ISR, Precision Strike Support and NTISR, Strategic Capabilities and Effects, Cyber and Spectrum Warfare, Data Discovery and Dissemination, Anti-Access/Area Denial and Aerial Layer Network, and National Technical Means support to Irregular Warfare.

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget		63.853	89.816	22.282	-	22.282
Current President's Budget		58.514	89.816	5.812	-	5.812
Total Adjustments		-5.339	-	-16.470	-	-16.470
• Congressional General Reductions		-0.084	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-5.255	-	-16.470	-	-16.470
Change Summary Explanation						
FY13: -\$5.255M Sequestration Reduction.						
Reduction of \$16.397M in FY15 due to higher AF priorities.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2013	FY 2014	FY 2015
Title: Exploitation Applications				7.947	11.995	5.812
Description: Exploiting existing air, space, cyber, national and global ISR, and Non-Traditional ISR (NTISR) for operational and tactical applications by rapidly prototyping and capability demonstration and influencing the design and operation of future space, cyber, national and global ISR, and NTISR systems for tactical users.						
FY 2013 Accomplishments: Continued rapid prototype development of AF TENCAP portfolio comprised of 34 Talon projects across eight mission and investment areas (Talon is an approved and funded AF TENCAP effort).						
FY 2014 Plans: Continuing to rapidly prototype projects and focus warfighter support and resource allocation based on AF TENCAP mission/ investment areas as a reflection of Air Force Core Function Mission Areas (CFMAs). Mission areas include: ISR for Space and Space Capabilities, National and Operational ISR, Precision Strike Support and NTISR, Strategic Capabilities and Effects, Cyber and Spectrum Warfare, Data Discovery and Dissemination, Anti-Access/Area Denial and Aerial Layer Network, and National Technical Means support to Irregular Warfare.						
FY 2015 Plans:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
Will continue to rapidly prototype projects and focus warfighter support and resource allocation based on AF TENCAP mission/ investment areas as a reflection of Air Force Core Function Mission Areas (CFMAs). Mission areas include: ISR for Space and Space Capabilities, National and Operational ISR, Precision Strike Support and NTISR, Strategic Capabilities and Effects, Cyber and Spectrum Warfare, Data Discovery and Dissemination, Anti-Access/Area Denial and Aerial Layer Network, and National Technical Means support to Irregular Warfare.				
Title: Trident Warrior/Battlefield Airborne Communications Node (BACN) Intra-Flight Data Link Subsystem (BACN/BIS) Description: Support USPACOM advanced tactics (Trident Warrior), techniques and procedures and development efforts for Multi-Domain Integration (MDI) capability leveraging Battlefield Airborne Communications Node Intra-Flight Data Link (BACN-BIS) technology. FY 2013 Accomplishments: Provided resources to USPACOM advanced tactics and development efforts with one MDI equipped aircraft. FY 2014 Plans: N/A FY 2015 Plans: N/A		4.578	-	-
Title: Talon Hate Description: Talon HATE is comprised of technology demonstrations to evaluate the military utility of a next-generation capability for the F-15C providing multi-domain information to tactical users. Talon HATE will provide targeting, situational awareness, and an enhanced decision-maker Common Operational Picture. This effort will increase interoperability between joint (Air Force, Navy) forces in contested environments. FY 2013 Accomplishments: Developed, procured, installed, and integrated four multi-domain fused information pods on F-15s. Cost of all ancillary equipment including antennas is included. FY 2014 Plans: Continuing the development and building of four multi-domain fused information pods on F-15s, in support of PACOM need. FY 2015 Plans: Will continue the testing and integration of four multi-domain fused information pods on F-15s, in support of PACOM need.		45.989	49.000	-
Title: Increased Lethality in a Contested Environment (Talon Hate II)		-	28.821	-

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C. Accomplishments/Planned Programs (\$ in Millions)										FY 2013	FY 2014	FY 2015
Description: Technology demonstrations to evaluate the military utility of providing additional capability to Talon HATE next-generation capability for the F-15C. This effort provides enhanced multi-domain fused information to tactical users, targeting, situational awareness, and an enhanced decision-maker Common Operational Picture. This effort will increase interoperability between joint (Air Force, Navy) forces in contested environments.												
FY 2013 Accomplishments: N/A												
FY 2014 Plans: Developing and building capability to provide enhanced multi-domain fused information to tactical users, targeting, situational awareness, and an enhanced decision-maker Common Operational Picture. This effort increasing interoperability between joint (Air Force, Navy) forces in contested environments.												
FY 2015 Plans: Will test and integrate capability to provide enhanced multi-domain fused information to tactical users, targeting, situational awareness, and an enhanced decision-maker Common Operational Picture. Effort will continue to increase interoperability between joint (Air Force, Navy) forces in contested environments.												
Accomplishments/Planned Programs Subtotals										58.514	89.816	5.812
D. Other Program Funding Summary (\$ in Millions)												
Line Item	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	
• Not applicable: N/A	-	-	-	-	-	-	-	-	-	-	-	
Remarks												
E. Acquisition Strategy Projects are selected for development based upon needs identified by the program's customers - DOD Departments, Combatant Commands, Components, MAJCOMs, and/or National Intelligence Agencies. Acquisition strategies are developed using a segmented gate strategy to limit and control risks. Many projects are executed via existing contracts maintained by other agencies; others are executed via Air Force TENCAP contracts established with vendors responding to annual Broad Agency Announcements. The U.S. government organization sponsoring a project is responsible for assuming acquisition, deployment, logistics, and budgetary responsibilities for the developed capability after it has been successfully demonstrated by Air Force TENCAP.												
TENCAP projects typically use an incremental acquisition strategy. TENCAP utilizes a disciplined systems engineering approach that allows program team to solve problems through a series of segments. Each increment has to be successful to pursue to the following segment which enables mitigation of cost and schedule risk.												

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Contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.		
<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-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

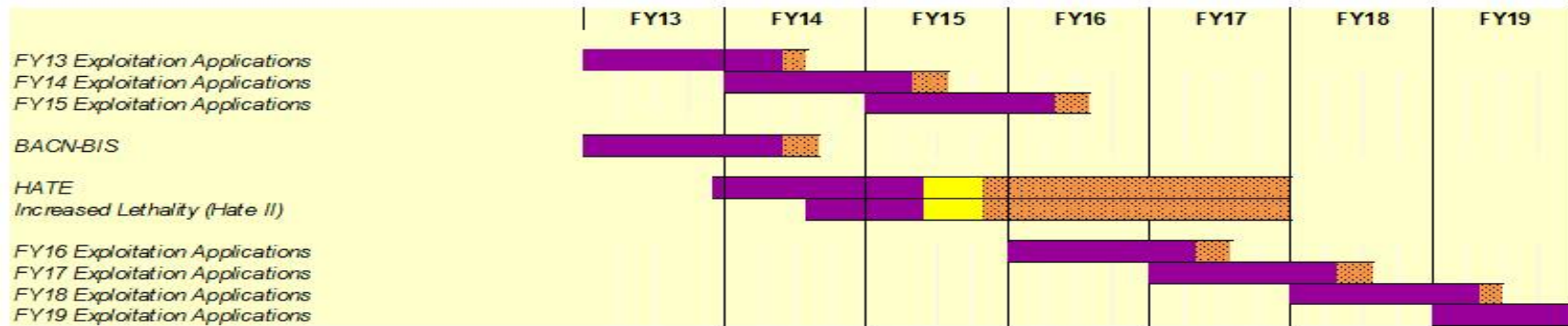
Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0207247F / AF TENCAP

Project (Number/Name)
670001 / Air Force TENCAP



Air Force TENCAP Schedule



Production / fielding

Design / development

Integration / test

FY15 PB

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