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 0605024F: *Anti-Tamper Technology Executive Agency*							
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	-	35.245	17.037	32.086	-	32.086	39.830	34.170	32.301	32.847	Continuing	Continuing
675066: *Anti-Tamper Technology Executive Agent*	-	35.245	17.037	32.086	-	32.086	39.830	34.170	32.301	32.847	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

A. Mission Description and Budget Item Justification

The Air Force is the DoD Anti-Tamper Executive Agent (ATEA). The ATEA is responsible for developing and implementing Anti-Tamper (AT) policy, coordinating and providing financial support for AT technology development and evaluations, hardware/software vulnerability assessments, laboratory infrastructure, establishing and maintaining a data bank/library of Anti-Tamper technologies, providing proper security mechanisms, and conducting effective validation and verification of AT implementations. The purpose of AT is to protect critical program information in U.S. weapon systems that may be sold to foreign governments or that could possibly fall into enemy hands. AT protections will permit the U.S. to preserve its technological advantage of critical weapons systems while supporting the warfighter?s mission requirements. Furthermore, AT will add longevity to DoD critical technologies by deterring efforts to reverse engineer or develop weapon countermeasures against a system or system component.

The DoD ATEA will coordinate technology development and enhancement efforts among the DoD Services/Agencies, National Laboratories, and industry. The DoD ATEA acquisition strategy is to fund development of new AT technology, as well as enhancing existing AT technology efforts to increase the technology readiness level (TRL). The AT technology development and enhancement efforts will occur in multiple areas, including the following: Advanced sensor hardware, secure processing, crypto-analysis, tamper penalties, and power solutions. Emerging research in the areas of materials, cryptography and electronic circuits has the potential to bring new AT capabilities that have reduced power needs and smaller form factor. The goal of the research is to mature promising technologies to the point that they can be transitioned to a program office or industry for implementation in our weapons systems. Priorities will be given to those technologies that most benefit the DoD AT community.

All DoD acquisition programs, Foreign Military Sales, and Direct Commercial Sales with critical program information (CPI) and/or resident-critical program information (R-CPI) require a validated AT Plan. The AT program includes resources required for the subject matter experts (SMEs) to review AT Plans and conduct AT validation, and perform AT assessments of both commercial off the shelf and government of the shelf products. To maintain its advantage, the AT program continues to improve its AT hardware/software assessment capabilities.   These capabilities include the acquisition of specialized equipment, maintenance and/or renovations to support the integration of this equipment, and modifications to new and/or existing laboratory facilities to meet equipment and security requirements.

This program is in Budget Activity 07, Operational System Development, because it includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding.

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 0605024F: *Anti-Tamper Technology Executive Agency*		

B. Program Change Summary ($ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	35.245	17.037	29.726	-	29.726
Current President's Budget	35.245	17.037	32.086	-	32.086
Total Adjustments	0.000	0.000	2.360	-	2.360
• 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	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	2.360	-	2.360

Change Summary Explanation

FY14 funding increased to match increased Anti-Tamper Technology requirements.

C. Accomplishments/Planned Programs ($ in Millions)	FY 2012	FY 2013	FY 2014
Title: Anti-Tamper Technology	35.245	17.037	32.086
Description: Advanced Anti-Tamper Technology Executive Agent activities including: AFRL/RYW Management, ATEA outsourcing, Anti-Tamper Verification and Validation, Assessments and technology development **FY 2012 Accomplishments:** Continue advanced Anti-Tamper Technology Executive Agent activities including: AFRL/RYW Management, ATEA outsourcing, Anti-Tamper Verification and Validation, Assessments and Technology Development. **FY 2013 Plans:** Continue advanced Anti-Tamper Technology Executive Agent activities including: AFRL/RYW Management, ATEA outsourcing, Anti-Tamper Verification and Validation, Assessments and Technology Development. **FY 2014 Plans:** Advanced Anti-Tamper Technology Executive Agent activities including: AFLCMC/XZA Management, ATEA outsourcing, Anti-Tamper Verification and Validation, Assessments and Technology Development.			
Accomplishments/Planned Programs Subtotals	35.245	17.037	32.086

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 0605024F: *Anti-Tamper Technology Executive Agency*

D. Other Program Funding Summary ($ in Millions)

Line Item	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
• NONE: *N/A*	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Remarks

E. Acquisition Strategy

The DoD ATEA technology development funding will be used to support existing AT technology development contracts. This funding will be used to increase the technology readiness level for that particular AT technology so as to reduce the risk to programs wanting to implement this AT technology. The DoD ATEA conducts yearly evaluations of technologies, provided by the AT Tri-Service community.

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-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 0605024F: *Anti-Tamper Technology Executive Agency*	PROJECT 675066: *Anti-Tamper Technology Executive Agent*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	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
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Office	Various	Not specified.:,	-	2.946		4.610		3.165		-		3.165	Continuing	Continuing	TBD
		Subtotal	0.000	2.946		4.610		3.165		0.000		3.165			

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	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
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
R&D	Various	Not specified.:,	-	32.299		12.427		28.921		-		28.921	Continuing	Continuing	TBD
		Subtotal	0.000	32.299		12.427		28.921		0.000		28.921			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	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
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	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
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	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	35.245		17.037		32.086		0.000		32.086			

Remarks

Additional funding breakout is classified per the Anti-Tamper Security Classification Guide. Please contact the ATEA if addtional information is required.

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 0605024F: *Anti-Tamper Technology Executive Agency*	**PROJECT** 675066: *Anti-Tamper Technology Executive Agent*

CAO: 28 Feb 13

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CY13-15 AT Battle Rhythm Chart

2013 | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC

2014 | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC

2015 | JAN | FEB | MAR | APR | MAY | JUN

Assessments

Final Outbrief
Jan 22-24
SNL

Solicit FY14
Proposals

FY14
Source Sel
(present at Tri-
Service

Mid-Yr
Assess Rev
17-18 Jul
Huntsville, AL

Assessment
Final Outbrief
Jan 21-23
SNL

Industry
Day
1 Apr 13

TWG
13-14 Feb
ATPO

FY 12
Assessment
Debrief
12-13 Mar
VTC

Solicit
FY14
Proposals

FY14
Source Sel
(present at Tri
Service)

Contract
Negotiations

TWG
12-13 Feb
Dayton, OH

Tech Devl (R&D)

Short
Course
30-31 Jan
Location
TBD

AT – SCAB
15-16 Oct
VTC

AT
Conf &Steering
Comm.
15-17 Apr
Baltimore, MD

Education/Outreach

ATAWG
and AT-SC
27-28 Feb
VTC

AT-SC
14 May
VTC

ATAWG and
AT-SC
31 Jul –1 Aug
VTC

AT-SC
12 Nov
VTC

ATAWG
and AT-SC
26-27 Feb
VTC

Intel

SPRING
Tri-Service
19 - 21 Mar
VTC

SUMMER
Tri-Service
13 – 15 Aug
Huntsville,
AL

WINTER
Tri-Service
19-20 Nov
Dayton, OH.

SPRING
Tri-Service
11-12 Mar
Crane, IN

All

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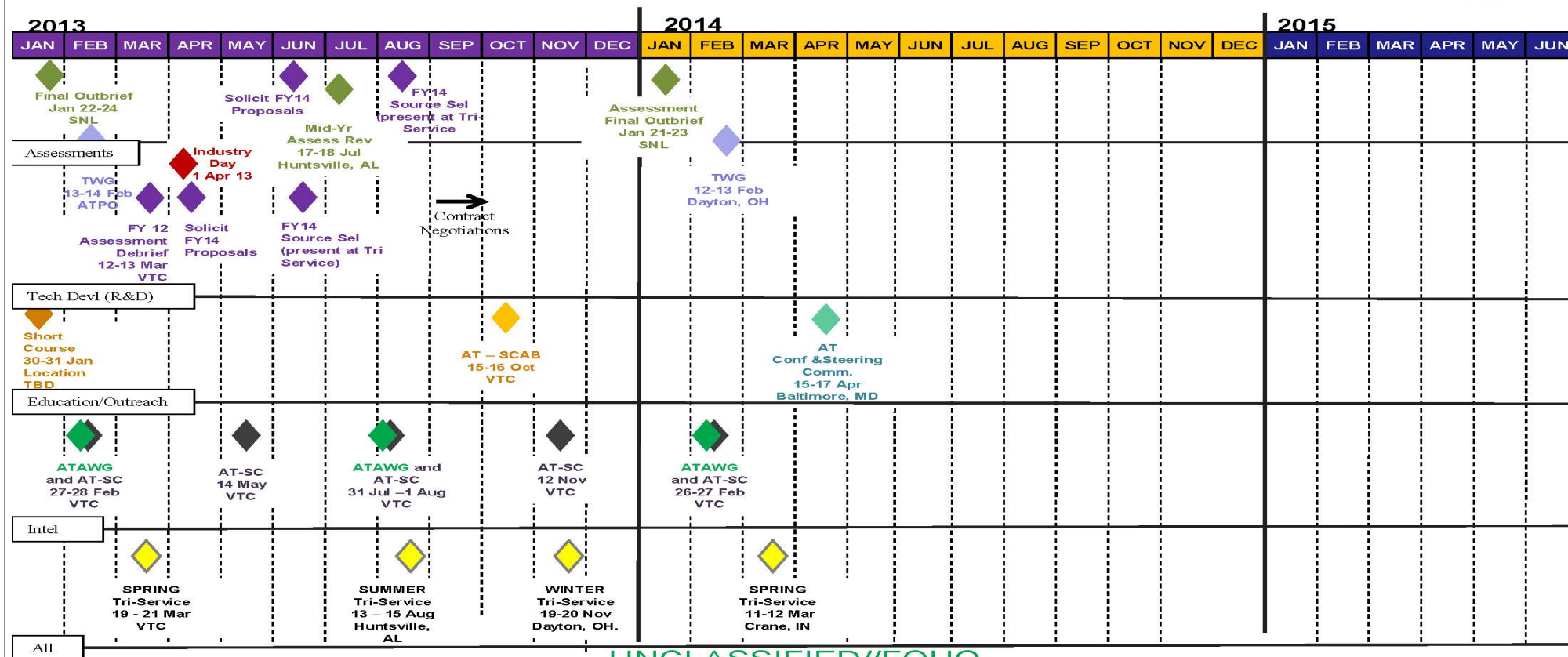| **Exhibit R-4A**, **RDT&E Schedule Details:** PB 2014 Air Force		**DATE:** April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: *Research, Development, Test & Evaluation, Air Force* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0605024F: *Anti-Tamper Technology Executive Agency*	**PROJECT** 675066: *Anti-Tamper Technology Executive Agent*

Schedule Details

Events	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
ATEA Program Office	1	2012	4	2015
AT RDT&E	1	2012	4	2015