Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force

R-1 ITEM NOMENCLATURE

3600: Research, Development, Test & Evaluation, Air Force

APPROPRIATION/BUDGET ACTIVITY

PE 0603260F: Intelligence Advanced Development

DATE: April 2013

BA 4: Advanced Component Development & Prototypes (ACD&P)

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	-	4.013	3.866	3.983	-	3.983	4.352	4.334	8.814	8.973	Continuing	Continuing
643479: Advanced Sensor Exploitation	-	0.773	0.401	0.552	-	0.552	0.569	0.734	1.750	1.782	Continuing	Continuing
643480: Automated Imagery Exploitation	-	0.919	2.452	1.575	-	1.575	1.200	0.990	2.006	2.042	Continuing	Continuing
643481: Knowledge Based Tech For Intelligence	-	1.596	0.542	0.790	-	0.790	1.200	1.740	3.520	3.583	Continuing	Continuing
643482: Science & Tech Intelligence Methodology	-	0.725	0.471	1.066	-	1.066	1.383	0.870	1.538	1.566	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

A. Mission Description and Budget Item Justification

Intelligence Advanced Development (IAD) develops and demonstrates technology required to support warfighter needs for timely all source intelligence information. IAD supports global awareness, consistent battlespace knowledge, precision information, and the execution of time critical missions. IAD projects provide better on-time information to the warfighter using new and existing data sources, streamlining data analysis, reducing footprint required, and extending life of sensors in place and enhancing performance. The Air Force Research Lab, Rome Research Site, Information and Intelligence Exploitation Division (AFRL/RIE), works directly with users, employing evolutionary approaches and integrating finished modules directly into the field. The programs are oriented toward specific shortfalls and deficiencies as documented by the Major Commands (MAJCOMS), unified commands, and intelligence organizations in their mission and functional area plans. This PE expedites technology transition from the laboratory to operational users via rapid prototyping, focusing on technology insertion correcting AF intelligence deficiencies at the tactical and operational levels. This PE bridges the technology transition from Advanced Technology Demonstrations (ATDs) and Integrated Technology Thrust Programs (ITTPs) into current/new systems, and also supports the associated Defense Technology Objectives (DTOs). IAD may also reallocate existing resources to support out-of-cycle new/updated warfighter requirements.

Requirements for this PE are gathered and prioritized by the Air Force Intelligence, Surveillance, and Reconnaissance Agency (AF ISR Agency). Development of new/improved capabilities to meet the requirements is managed by AFRL/RIE. Prototype products, usually in the form of software, once evaluated by the users, are transferred to the operational environment.

This Program is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

PE 0603260F: Intelligence Advanced Development

Air Force

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^{##} The FY 2014 OCO Request will be submitted at a later date

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 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603260F: Intelligence Advanced Development

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	4.013	3.866	3.983	-	3.983
Current President's Budget	4.013	3.866	3.983	-	3.983
Total Adjustments	0.000	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 	0.000	0.000			
SBIR/STTR Transfer	0.000	0.000			
Other Adjustments	0.000	0.000	0.000	-	0.000

PE 0603260F: Intelligence Advanced Development

Air Force

Exhibit R-2A, RDT&E Project Ju	bit R-2A, RDT&E Project Justification: PB 2014 Air Force						DATE: April 2013					
APPROPRIATION/BUDGET ACT	IVITY				R-1 ITEM I	NOMENCL	ATURE		PROJECT			
3600: Research, Development, Te BA 4: Advanced Component Deve		,			PE 060326	60F: Intellige	ence Advan	ced	643479: A	dvanced Se	ensor Exploit	ation
DA 4. Advanced Component Deve	siopinent &	Tiololypes	(ACDAI)		Developine	511L						
COST (\$ in Millions)	All Prior	EV 2012	EV 2013#	FY 2014	FY 2014	FY 2014	EV 2015	EV 2016	EV 2017	EV 2018	Cost To	Total Cost

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
643479: Advanced Sensor Exploitation	-	0.773	0.401	0.552	-	0.552	0.569	0.734	1.750	1.782	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

Note

Air Force

In FY2014 643479, Advanced Sensor Exploitation includes a new start effort.

A. Mission Description and Budget Item Justification

The project objectives are to develop, demonstrate and evaluate a near-real-time all source correlation/fusion capability by applying state-of-the-art data processing techniques for the receipt, correlation, templating, and analysis of battlefield information. Prototypes will be developed in an open systems architecture environment allowing for the greatest efficiency in terms of integrating or interfacing with other systems. There are Air Force, DoD, and Coalition needs to correlate various sources of intelligence information (Communications Intelligence - COMINT, Electronic Intelligence - ELINT, Imagery Intelligence - IMINT and Measurement and Signature Intelligence - MASINT) within seconds/minutes vs. hours/days with current manual and semi-automated methods. The project includes development of data correlation and predictive intelligence algorithms as well as target analysis and prioritization, air order of battle update, and tactical analysis techniques. This computerized approach will speed up the correlation of data from diverse sources of intelligence information, including COMINT, ELINT, IMINT and MASINT; providing faster situational awareness and threat assessment, and replace manual systems with automated capabilities. Activities also include studies and analysis to support both current program planning and execution and future program planning.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Title: Smart Target Folders	0.765	0.395	0.150
Description: Develops capability to automatically and continuously develop target folders, a cohesive picture of adversaries and their intent, in order to provide actionable intel to operations component.			
FY 2012 Accomplishments: Released prototype 1.0; initiated new prototype Development based on user evaluation of prototype release 1.0.			
FY 2013 Plans: Continuing prototype development and refinement.			
FY 2014 Plans:			

PE 0603260F: Intelligence Advanced Development

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R-1 Line #28

^{##} The FY 2014 OCO Request will be submitted at a later date

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force			DATE:	April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603260F: Intelligence Advanced Development	PROJECT 643479: <i>Ac</i>	dvanced	Sensor Explo	oitation
B. Accomplishments/Planned Programs (\$ in Millions)		FY	2012	FY 2013	FY 2014
Will release prototype 1.1 to users for evaluation in realistic operating endevelopment of final prototype	vironment; will incorporate user feedback and comp	olete			
Title: ELINT Synchronization			0.000	0.000	0.394
Description: Risk reduction development initiative which automates and unscreened technical ELINT data. Effort will further development of appl matching algorithms.		ut			
FY 2012 Accomplishments: N/A					
FY 2013 Plans: N/A					
FY 2014 Plans: Will initiate prototype development of a software capability that provides a further development of applications in signals characterization and datab		gh			
Title: PMA			0.008	0.006	0.008
Description: PMA costs (including supplies and travel) support manager development and implementation.	ment with engineering and technical support for				
FY 2012 Accomplishments: PMA costs (including supplies and travel) supported management with e implementation.	ngineering and technical support for development a	and			
FY 2013 Plans: PMA costs (including supplies and travel) support management with eng implementation.	ineering and technical support for development and	I			
FY 2014 Plans: PMA costs (including supplies and travel) will support management with implementation.	engineering and technical support for development	and			
	Accomplishments/Planned Programs Sul	ototale	0.773	0.401	0.552

PE 0603260F: Intelligence Advanced Development Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643479: Advanced Sensor Exploitation

BA 4: Advanced Component Development & Prototypes (ACD&P)

Development

C. Other Program Funding Summary (\$ in Millions)

			FY 2014	FY 2014	FY 2014					Cost To	
Line Item	FY 2012	FY 2013	Base	000	<u>Total</u>	FY 2015	FY 2016	FY 2017	FY 2018	Complete T	Total Cost
• None: N/A	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	Continuing C	Continuina

Remarks

D. Acquisition Strategy

Requirements for new advanced sensor exploitation technologies are gathered and prioritized by the Air Force Intelligence, Surveillance, and Reconnaissance Agency (AFISRA), formerly the Air Intelligence Agency. Development of the new / improved capabilities to meet the requirements is managed by AF Research Laboratory (Rome Research Site). Prototype products (usually software), once evaluated by the users, are transitioned from the laboratory to operational community in spirals. All contracts within this project are awarded after full and open competition.

E. 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.

PE 0603260F: Intelligence Advanced Development

Air Force Page 5 of 33

DATE: April 2013 Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force APPROPRIATION/BUDGET ACTIVITY **R-1 ITEM NOMENCLATURE PROJECT** 3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643479: Advanced Sensor Exploitation BA 4: Advanced Component Development & Prototypes (ACD&P) Development FY 2014 FY 2014 FY 2014 **Product Development (\$ in Millions)** oco FY 2012 FY 2013 Base Total Contract Target Method Performing All Prior Award Award Award Award **Cost To** Total Value of **Cost Category Item** & Type Activity & Location Years Cost Date Date Cost Date Cost Date Complete Cost Contract Cost Cost Intelligent Software Initiate Smart Target C/CPFF Solutions:Colorado 0.765 Nov 2011 0.395 Nov 2012 0.150 Nov 2013 0.150 Continuing Continuing TBD Folders Springs, CO ELINT Sync C/TBD TBD:TBD. 0.000 0.000 0.394 Nov 2013 0.394 Continuing Continuing TBD Subtotal 0.000 0.765 0.395 0.544 0.000 0.544 FY 2014 FY 2014 FY 2014 Support (\$ in Millions) FY 2012 FY 2013 Base oco Total Contract Target Method Performing **All Prior Award** Award Award Award **Cost To** Total Value of **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract 0.000 0.000 0.000 0.000 0.000 Subtotal 0.000 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Test and Evaluation (\$ in Millions) FY 2012 FY 2013 Base oco Total Contract Target Method Performing All Prior Award Award Award Award Cost To Total Value of **Activity & Location Cost Category Item** & Type Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract Subtotal 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Management Services (\$ in Millions) FY 2012 FY 2013 Base oco Total Contract Target Award **Award** Method Performing All Prior Award Award **Cost To** Total Value of **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Cost Cost Date Complete Contract Date Date Cost Cost Air Force Research Laboratory -0.008 Continuing Continuing **PMA** Various Information 0.008 Oct 2011 0.006 Oct 2012 0.008 Oct 2013 TBD Directorate:Rome. Subtotal 0.000 0.008 0.006 0.008 0.000 0.008

PE 0603260F: Intelligence Advanced Development

Air Force

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, BA 4: Advanced Component Development & Proto			PE 0603260F: I Development	ENCLATURE Intelligence Advan	se Advanced 643479: Advanced Sensor Explo		Exploita	tion	
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2		Cost To	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.773	0.401	0.552	0.000	0.552	2		

Remarks

PE 0603260F: Intelligence Advanced Development

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force

Air Force

DATE: April 2013

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 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603260F: Intelligence Advanced

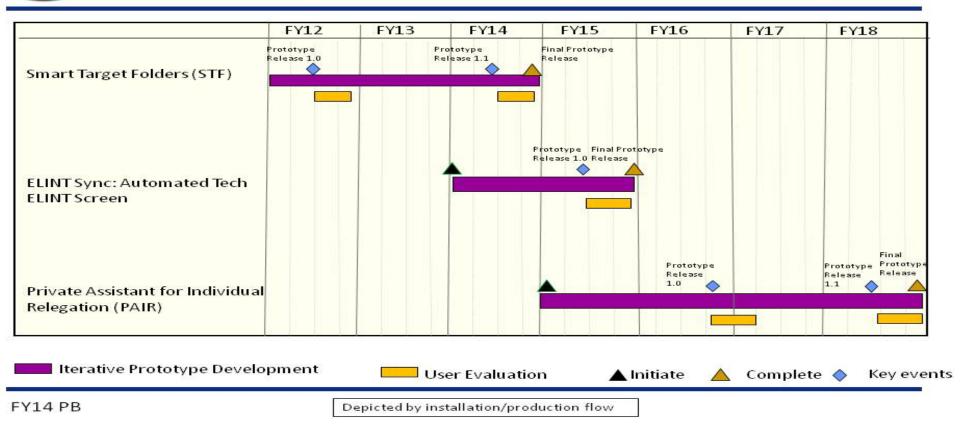
Development

PROJECT

643479: Advanced Sensor Exploitation



Intelligence Advanced Development (IAD) Program Schedule BPAC 643479



DATE: April 2013 Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE **PROJECT**

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced

643479: Advanced Sensor Exploitation BA 4: Advanced Component Development & Prototypes (ACD&P) Development

Schedule Details

	Sta	Start			
Events	Quarter	Year	Quarter	Year	
Smart Target Folders (STF) Prototype Development	1	2012	4	2014	
STF Prototype Release 1.0	2	2012	2	2012	
Conduct User Evaluation STF Prototype 1.0	3	2012	4	2012	
STF Prototype Release 1.1	2	2014	2	2014	
Conduct User Evaluation STF Prototype 1.1	3	2014	4	2014	
Release Final STF Prototype	4	2014	4	2014	
ELINT Synchronization Prototype Development	1	2014	4	2015	
ELINT Synchronization Prototype Release 1.0	2	2015	2	2015	
ELINT Sychronization Prototype User Evaluation	2	2015	4	2015	
ELINT Synchronization Final Prototype Release	4	2015	4	2015	
Private Assistant for Individual Relegation (PAIR) Development	1	2015	4	2018	
PAIR Prototype Release 1.0	4	2016	4	2016	
PAIR Prototype User Evaluation	4	2016	1	2017	
PAIR Prototype Release 1.1	2	2018	2	2018	
PAIR User Evaluation - Prototype 1.1	2	2018	4	2018	
PAIR Final Prototype Release	4	2018	4	2018	

PE 0603260F: Intelligence Advanced Development Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 4: Advanced Component Development & Prototypes (ACD&P)

DATE: April 2013

R-1 ITEM NOMENCLATURE
PE 0603260F: Intelligence Advanced
Development

Development

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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
643480: Automated Imagery Exploitation	-	0.919	2.452	1.575	-	1.575	1.200	0.990	2.006	2.042	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

Note

Air Force

In FY2014, 643480, Automated Imagery Exploitation includes a new start effort.

A. Mission Description and Budget Item Justification

This project demonstrates and validates the capability to more accurately and quickly interpret digital imagery and video by developing/evaluating computer-assisted techniques to manipulate and overlay imagery, cartographic data, signals intelligence (SIGINT), and on-line intelligence data. The result of this effort will provide the operator precise target locations and identifications, precise target reference scenes, and more accurate damage assessments; all developed for easy supportability on low-cost, commercially-available computer workstations. Activities also include studies and analysis to support both current program planning and execution and future program planning.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Title: Persistent Surveillance (PS)	0.111	0.750	0.000
Description: Integrates emerging technologies to seamlessly mesh and optimize various ISR sources to achieve persistent surveillance over the battlefield.			
FY 2012 Accomplishments: Continued prototype development.			
FY 2013 Plans: Release prototype 1.2 to users for evaluation in realistic operating environment; incorporate user feedback into final prototype.			
FY 2014 Plans: N/A			
Title: Digital Library Input Processing System (DLIPS)	0.111	0.894	0.754
Description: Updates current DLIPS configuration (Text-to-Text translation only) to process foreign language audio or video input into English in support of open-source analysts.			

PE 0603260F: Intelligence Advanced Development

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^{##} The FY 2014 OCO Request will be submitted at a later date

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE:	April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)		PROJECT 643480: Automated Imagery Exploitation			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014	
FY 2012 Accomplishments: Continued prototype development.					
FY 2013 Plans: Releasing prototype 1.1 and conducting user evaluation.					
FY 2014 Plans: Will release prototype 1.2, will conduct user evaluation; will incorporate prototype.	user feedback and complete development of final				
Title: Emitter Location Systems Modeling (ELSM)		0.388	0.499	0.29	
Description: Initiates enhancement of modeling capability of next gene battlefield to allow for enhanced EW performance and vulnerability asse					
FY 2012 Accomplishments: Continued prototype development.					
FY 2013 Plans: Releasing prototype 1.0 and conducting user evaluation in realistic oper	ating environment.				
FY 2014 Plans: Will release prototype 1.1 to users for evaluation in realistic operating er development of final prototype.	nvirnonment; will incorporate user feedback and comple	ete			
Title: Rapid Electronic Attack Assessment For Protection, Exploitation,	and Reprogramming (REAAPER)	0.300	0.300	0.30	
Description: Initiates capability to provide rapid assessment of adversa training and the development of EA protection and countermeasures sys					
FY 2012 Accomplishments: Continued development of prototype.					
FY 2013 Plans:					
Releasing prototype 1.0 and conducting user evaluation.			ı		

PE 0603260F: *Intelligence Advanced Development* Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force			DATE:	April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603260F: Intelligence Advanced Development	PROJECT 643480: <i>A</i>		d Imagery Exբ	oloitation
B. Accomplishments/Planned Programs (\$ in Millions)		FY	2012	FY 2013	FY 2014
Will release prototype 1.1 to users for evaluation in realistic operating endevelopment of final prototype.	vironment; will incorporate user feedback and con	nplete			
Title: Electronics Exploitation			0.000	0.000	0.215
Description: Develop a capability to enable the detection, geo-location, intercept emitters; improve reporting timeliness and accuracy of worldwide		oility of			
FY 2012 Accomplishments: N/A					
FY 2013 Plans: N/A					
FY 2014 Plans: Will initiate prototype development of a capability to enable the detection probability of intercept emitters; improve reporting timeliness and accuracy data.					
Title: PMA			0.009	0.009	0.009
Description: PMA costs (including supplies and travel) support manager development and implementation.	ment with engineering and technical support for				
FY 2012 Accomplishments: PMA costs (including supplies and travel) supported management with elimplementation.	ngineering and technical support for development	and			
FY 2013 Plans: PMA costs (including supplies and travel) support management with enginplementation.	ineering and technical support for development ar	nd			
FY 2014 Plans: PMA costs (including supplies and travel) will support management with implementation.	engineering and technical support for developmer	nt and			
	Accomplishments/Planned Programs S	ubtotals	0.919	2.452	1.57

PE 0603260F: Intelligence Advanced Development Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643480: Automated Imagery Exploitation

BA 4: Advanced Component Development & Prototypes (ACD&P)

Development

C. Other Program Funding Summary (\$ in Millions)

			FY 2014	FY 2014	FY 2014					Cost To	
Line Item	FY 2012	FY 2013	Base	000	<u>Total</u>	FY 2015	FY 2016	FY 2017	FY 2018	Complete T	Total Cost
• None: N/A	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	Continuing C	Continuina

Remarks

None

D. Acquisition Strategy

Requirements for new computer assisted techniques for interpretation of digital imagery and video are gathered and prioritized by the Air Force Intelligence, Surveillance, and Reconnaissance Agency (AFISRA), formerly the Air Intelligence Agency. Development of new / improved capabilities to meet these requirements is managed by AF Research Laboratory (Rome Research Site). The prototype products (usually software), once evaluated by the users, are transitioned from the laboratory to operational community in spirals. All major contracts within this project are awarded after full and open competition.

E. 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.

PE 0603260F: Intelligence Advanced Development

Air Force

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 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PE 0603260F: Intelligence Advanced

Development

PROJECT

643480: Automated Imagery Exploitation

BA 4: Advanced Com	oonen De	velopinent & Floto	nypes (AC	DOI")		Develo	JIIIGIIL								
Product Developmen	nt (\$ in Mi	illions)		FY 2	2012	FY 2	2013		2014 ise		2014 CO	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	Total Cost	Target Value of Contrac
Persistent Surveillance	C/CPFF	Sierra Nevada:Sparks, NV	-	0.111	Oct 2011	0.750	Mar 2013	0.000		-		0.000	0.000	0.861	0.98
Digital Library Input Processing System (DLIPS)	C/CPFF	Northrop Grumman:Dayton, OH	-	0.111	Oct 2011	0.900	Oct 2012	0.754	Oct 2013	-		0.754	Continuing	Continuing	ТВІ
Emitter Location Systems Modeling (ELSM)	C/CPFF	Information Systems Laboratory:San Diego, CA	-	0.397	Oct 2011	0.502	Oct 2012	0.297	Oct 2013	-		0.297	Continuing	Continuing	ТВІ
REAPER	C/CPFF	SAIC:McLean, VA	-	0.291	Oct 2011	0.291	Oct 2012	0.300	Oct 2013	-		0.300	Continuing	Continuing	ТВІ
Electronics Exploitation	C/TBD	TBD:TBD,	-	0.000		0.000		0.215	Oct 2013	-		0.215	Continuing	Continuing	TBE
		Subtotal	0.000	0.910		2.443		1.566		0.000		1.566			
Support (\$ in Million				FY 2	2012	FY 2	2013	FY 2 Ba	2014 ise	FY 2	2014 CO	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
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation	(\$ in Milli	ons)		FY 2	2012	FY 2	2013		2014 ise	FY 2		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
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Management Service	es (\$ in M	illions)		FY 2	2012	FY 2	2013	FY 2 Ba	2014 ise	FY 2		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	Total Cost	Target Value of Contract
PMA	Various	AFRL - Information Directorate:Rome, NY	-	0.009	Oct 2011	0.009	Oct 2012	0.009	Oct 2013	-		0.009	Continuing	Continuing	ТВІ

PE 0603260F: *Intelligence Advanced Development* Air Force

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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

PE 0603260F: Intelligence Advanced

643480: Automated Imagery Exploitation

BA 4: Advanced Component Development & Prototypes (ACD&P)

Development

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	Targe Value o Contra
		Subtotal	0.000	0.009		0.009		0.009		0.000		0.009			
			All Prior Years	FY 2	2012	FY :	2013		2014 ise		2014 CO	FY 2014 Total	Cost To	Total Cost	Target Value o Contra
		Project Cost Totals	0.000	0.919		2.452		1.575		0.000		1.575			

Remarks

PE 0603260F: Intelligence Advanced Development

Air Force

Exhibit R-4. RDT&E Schedule Profile: PB 2014 Air Force

R-1 ITEM NOMENCLATURE

PROJECT

3600: Research, Development, Test & Evaluation, Air Force

PE 0603260F: Intelligence Advanced

643480: Automated Imagery Exploitation

DATE: April 2013

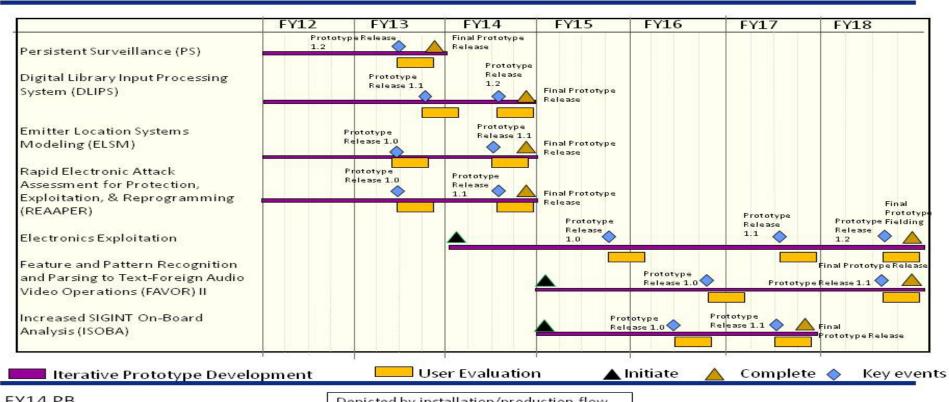
BA 4: Advanced Component Development & Prototypes (ACD&P)

Development



APPROPRIATION/BUDGET ACTIVITY

Intelligence Advanced Development (IAD) Program Schedule BPAC 643480



FY14 PB

Depicted by installation/production flow

DATE: April 2013 Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE **PROJECT**

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced

643480: Automated Imagery Exploitation BA 4: Advanced Component Development & Prototypes (ACD&P) Development

Schedule Details

	Sta	art	End		
Events	Quarter	Year	Quarter	Year	
Persistent Surveillance (PS) Prototype Development	1	2012	4	2013	
Releasing PS Prototype 1.2	2	2013	2	2013	
Conducting User Evaluation PS Spiral Prototype 1.2	2	2013	4	2013	
Releasing Final PS Prototype	4	2013	4	2013	
Digital Library Input Processing System (DLIPS) Prototype Development	1	2012	4	2014	
Releasing DLIPS Prototype 1.1	4	2013	4	2013	
Conducting User Evaluation of DLIPS Prototype 1.1	4	2013	1	2014	
Releasing DLIPS Prototype 1.2	3	2014	3	2014	
Will conduct user evaluation DLIPS Prototype 1.2	3	2014	4	2014	
Will release Final DLIPS Prototype	4	2014	4	2014	
Emitter Location Systems Modeling (ELSM) Prototype Development	1	2012	4	2014	
Releasing ELSM Prototype 1.0	2	2013	2	2013	
Conducting User Evaluation ELSM Prototype 1.0	2	2013	4	2013	
Releasing ELSM Prototype 1.1	3	2014	3	2014	
Will conduct ELSM Prototype 1.1 User Evaluation	3	2014	4	2014	
Will release Final ELSM Prototype	4	2014	4	2014	
Rapid Electronic Attack Assessment for Protection, Exploitation, and Reprogramming (REAAPER) Prototype Development	1	2012	4	2014	
Releasing REAAPER Prototype 1.0	2	2013	2	2013	
Conducting REAAPER Prototype 1.0 User Evaluation	2	2013	4	2013	
Will release REAAPER Prototype 1.1	3	2014	3	2014	
Will conduct REAAPER Prototype 1.1 User Evaluation	3	2014	4	2014	

PE 0603260F: Intelligence Advanced Development Air Force

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

R-1 ITEM NOMENCLATURE

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 4: Advanced Component Development & Prototypes (ACD&P)

PROJECT PE 0603260F: Intelligence Advanced

643480: Automated Imagery Exploitation

Development

	Sta	art	End		
Events	Quarter	Year	Quarter	Year	
Will release Final REAAPER Prototype	4	2014	4	2014	
Electronics Exploitation Prototype Development	1	2014	4	2018	
Will release Electronics Exploitation Prototype 1.0	4	2015	4	2015	
Will conduct Electronics Exploitation Prototype 1.0 User Evaluation	4	2015	1	2016	
Will release Electronics Exploitation Prototype 1.1	3	2017	3	2017	
Will conduct Electronics Exploitation Prototype 1.1 User Evaluation	3	2017	4	2017	
Will release Electronics Exploitation Prototype 1.2	3	2018	3	2018	
Will conduct Electronics Exploitation Prototype 1.2 User Evaluation	3	2018	4	2018	
Will release Final Electronics Exploitation Prototype	4	2018	4	2018	
Feature and Pattern Recognition and Parsing to Text-Foreign Audio Video Operations (FAVOR) II Prototype Development	1	2015	4	2018	
Will release FAVOR Prototype 1.0	4	2016	4	2016	
Will conduct FAVOR Prototype 1.0 User Evaluation	4	2016	1	2017	
Will release FAVOR Prototype 1.1	3	2018	3	2018	
Will conduct FAVOR Prototype 1.1 User Evaluation	3	2018	4	2018	
Will release Final FAVOR Prototype	4	2018	4	2018	
ncreased SIGINT On-Board Analysis (ISOBA) Product Development	1	2015	4	2017	
Will release ISOBA Prototype 1.0	2	2016	2	2016	
Will conduct ISOBA Prototype 1.0 User Evaluation	3	2016	4	2016	
Will release ISOBA Prototype 1.1	3	2017	3	2017	
Will conduct ISOBA Prototype 1.1 User Evaluation	3	2017	4	2017	
Will release Final ISOBA Prototype	4	2017	4	2017	

PE 0603260F: Intelligence Advanced Development

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Exhibit R-2A, RDT&E Project Ju	ıstification	: PB 2014 <i>F</i>	Air Force							DATE: Apr	il 2013		
APPROPRIATION/BUDGET ACT	TIVITY				R-1 ITEM I	NOMENCL	ATURE		PROJECT]
3600: Research, Development, Te	est & Evalua	ation, Air Fo	orce		PE 060326	60F: Intellige	ence Advan	ced	643481: <i>Ki</i>	nowledge B	ased Tech F	or	
BA 4: Advanced Component Development & Prototypes (ACD&P)					Developme	ent			Intelligence	9			
COST (\$ in Millions)	All Prior	EV 2012	EV 2013#	FY 2014	FY 2014	FY 2014	EV 2015	EV 2016	EV 2017	EV 2019	Cost To	Total	1

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
643481: Knowledge Based Tech For Intelligence	-	1.596	0.542	0.790	-	0.790	1.200	1.740	3.520	3.583	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

Note

In FY2014, 643481, Knowledge Based Tech for Intelligence includes new start efforts.

A. Mission Description and Budget Item Justification

This project improves Global Awareness, Dynamic Planning, and Execution by providing knowledge bases and inference engines to exploit collected data for nine major commands and Air Force (AF) intelligence organizations. The development of the analytical aids is based on artificial intelligence techniques. The increased timeliness, efficiency and effectiveness derived will provide enhanced warning time and accuracy, allowing national/military authorities a greater range of options to avert, diminish or control a crisis. Activities also include studies and analysis to support both current program planning and execution and future program planning.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014	
Title: Dynamic ISR for Non-Traditional Adversarial Methods (DINTAM)	1.580	0.525	0.000	
Description: Continues integration of emerging technologies to dynamically allocate, monitor, and task all ISR assets to combat non-traditional warfare methods within an urban environment				
FY 2012 Accomplishments: Continued prototype development.				
FY 2013 Plans: Releasing prototype to users for evaluation in realistic operating environment; incorporating user feedback and completing development of final prototype.				
FY 2014 Plans: N/A				
Title: Multi-Source, Multi-Modal, Analytical Collect, Process, Exploit and Disseminate (MMACPED) System	0.000	0.000	0.485	
Description: Develop a framework designed to expose media tools, data, products, workflow and analytical services to the DoD and IC.				

PE 0603260F: Intelligence Advanced Development Air Force

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R-1 Line #28

^{##} The FY 2014 OCO Request will be submitted at a later date

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force			DATE: /	April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603260F: Intelligence Advanced Development	PROJ 64348 Intellig	31: Knowledge	e Based Tech	n For
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: N/A					
FY 2013 Plans: N/A					
FY 2014 Plans: Will initiate prototype development of MMACPED system.					
Title: C2 Surrogate System Build Spec			0.000	0.000	0.288
Description: Develop software to perform high fidelity analysis of threat control of an Integrated Air Defense Systems (IADS), providing critical in their vulnerabilities.					
FY 2012 Accomplishments: N/A					
FY 2013 Plans: N/A					
FY 2014 Plans: Will initiate the prototype development of software to perform high fidelity the command and control of an Integrated Air Defense Systems (IADS), combined systems and their vulnerabilities.					
Title: PMA			0.016	0.017	0.017
Description: PMA costs (including supplies and travel) support managed development and implementation.	ment with engineering and technical support for				
FY 2012 Accomplishments: PMA costs (including supplies and travel) supported management with e implementation.	engineering and technical support for developmen	t and			
FY 2013 Plans: PMA costs (including supplies and travel) support management with engimplementation.	ineering and technical support for development a	nd			
FY 2014 Plans:					

PE 0603260F: Intelligence Advanced Development

Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force	DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
3600: Research, Development, Test & Evaluation, Air Force	PE 0603260F: Intelligence Advanced	643481: Knowledge Based Tech For
BA 4: Advanced Component Development & Prototypes (ACD&P)	Development	Intelligence

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
PMA costs (including supplies and travel) will support management with engineering and technical support for development and			
implementation.			
Accomplishments/Planned Programs Subtotals	1.596	0.542	0.790

C. Other Program Funding Summary (\$ in Millions)

			FY 2014	FY 2014	FY 2014					Cost To	
<u>Line Item</u>	FY 2012	FY 2013	Base	<u>000</u>	<u>Total</u>	FY 2015	FY 2016	FY 2017	FY 2018	Complete	Total Cost
• None: <i>N/A</i>	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Remarks

None

D. Acquisition Strategy

Requirements for new / improved analytical aids to exploit collected intelligence data are gathered and prioritized by the Air Force Intelligence, Surveillance and Reconnaissance Agency (AFISRA), formerly the Air Intelligence Agency. Development of new / improved capabilities to meet the requirements is managed by AF Research Laboratory (Rome Research Site). Prototype products (usually software), once evaluated by the users, are transitioned from the laboratory to operational community in spirals. All major contracts within this project are awarded after full and open competition.

E. 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.

PE 0603260F: Intelligence Advanced Development

Air Force

Development

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force

R-1 ITEM NOMENCLATURE

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 4: Advanced Component Development & Prototypes (ACD&P)

PROJECT 643481: Knowledge Based Tech For

PE 0603260F: Intelligence Advanced

Intelligence

Product Developmen	nt (\$ in Mi	llions)		FY 2	2012	FY	2013	FY 2 Ba	2014 ise	FY 2	2014 CO	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	Total Cost	Target Value of Contract
Dynamic ISR for Non- Traditional Adversarial Methods	C/Various	Northrop-Grumman Corp:Bellevue, NE	-	1.580	Oct 2011	0.525	May 2013	0.000		-		0.000	0.000	2.105	4.200
Multi-Source, Multi-Modal Analytical Collect, Process, Exploit and Disseminate (MMACPED) System	C/TBD	TBD:TBD,	-	0.000		0.000		0.485	Oct 2013	-		0.485	Continuing	Continuing	TBD
C2 Surrogate System Build Spec	C/TBD	TBD:TBD,	-	0.000		0.000		0.288	Oct 2013	-		0.288	Continuing	Continuing	TBD
		Subtotal	0.000	1.580		0.525		0.773		0.000		0.773			

Remarks

Both are IDIQ

Support (\$ in Millions)				FY 2	2012	FY 2	2013	FY 2 Ba			2014 CO	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
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation	(\$ in Milli	ons)		FY 2	2012	FY 2	2013	FY 2 Ba			2014 CO	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
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

PE 0603260F: Intelligence Advanced Development

Air Force

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force

R-1 ITEM NOMENCLATURE PROJECT

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 4: Advanced Component Development & Prototypes (ACD&P)

Project Cost Totals

0.000

1.596

PE 0603260F: Intelligence Advanced 643

0.790

Development

643481: Knowledge Based Tech For

0.790

DATE: April 2013

Intelligence

Management Servic	es (\$ in M	lillions)		FY 2	2012	FY 2	2013		2014 ase		2014 CO	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	Total Cost	Target Value of Contract
РМА	Various	AFRL - Information Directorate:Rome, NY	-	0.016	Oct 2011	0.017	Oct 2012	0.017	Oct 2013	-		0.017	Continuing	Continuing	TBD
		Subtotal	0.000	0.016		0.017		0.017		0.000		0.017			
			All Prior Years	FY 2	2012	FY :	2013		2014 ase		2014 CO	FY 2014 Total	Cost To	Total Cost	Target Value of Contract

0.542

Remarks

PE 0603260F: Intelligence Advanced Development

Air Force

0.000

Exhibit R-4. RDT&E Schedule Profile: PB 2014 Air Force

BA 4: Advanced Component Development & Prototypes (ACD&P)

R-1 ITEM NOMENCLATURE

PROJECT

3600: Research, Development, Test & Evaluation, Air Force

APPROPRIATION/BUDGET ACTIVITY

PE 0603260F: Intelligence Advanced

643481: Knowledge Based Tech For

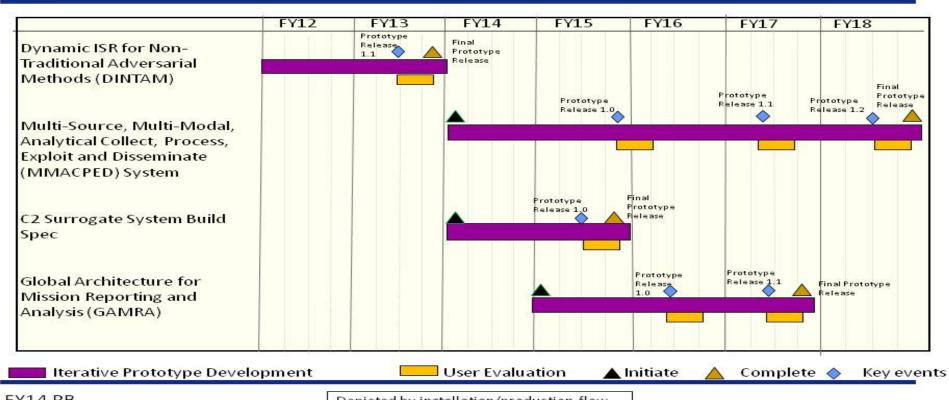
DATE: April 2013

Development

Intelligence



Intelligence Advanced Development (IAD) Program Schedule BPAC 643481



FY14 PB

Depicted by installation/production flow

DATE: April 2013 Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE **PROJECT** 3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643481: Knowledge Based Tech For

BA 4: Advanced Component Development & Prototypes (ACD&P) Development Intelligence

Schedule Details

	Sta	End		
Events	Quarter	Year	Quarter	Year
Dynamic ISR for Non-Traditional Adversarial Methods (DINTAM) Prototype Development	1	2012	4	2013
Releasing DINTAM Prototype 1.1	2	2013	2	2013
Conducting User Evaluation DINTAM Prototype 1.1	2	2013	4	2013
Releasing Final DINTAM Prototype	4	2013	4	2013
Development of MMACPED Prototype	1	2014	4	2018
Will release MMACPED Prototype 1.0	4	2015	4	2015
Will conduct User Evaluation MMACPED Prototype 1.0	4	2015	2	2016
Will release MMACPED Prototype 1.1	2	2017	2	2017
Will conduct MMACPED Prototype 1.1 User Evaluation	2	2017	3	2017
Will release MMACPED Prototype 1.2	3	2018	3	2018
Will conduct User Evaluation MMACPED Prototype 1.2	3	2018	4	2018
Will release Final MMACPED Prototype	4	2018	4	2018
C2 Surrogate System Build Spec Prototype Development	1	2014	4	2015
Will release C2 Surrogate System Prototype 1.0	3	2015	3	2015
Will conduct C2 Surrogate System Prototype 1.0 User Evaluation	3	2015	4	2015
Will release Final C2 Surrogate System Prototype	4	2015	4	2015
Global Architecture for Mission Reporting and Analysis (GAMRA) Prototype Development	1	2015	4	2017
Will release GAMRA Prototype 1.0	2	2016	2	2016
Will conduct GAMRA Prototype 1.0 User Evaluation	2	2016	4	2016
Will release GAMRA Prototype 1.1	2	2017	2	2017
Will conduct GAMRA Prototype 1.1 User Evaluation	2	2017	4	2017

PE 0603260F: Intelligence Advanced Development Air Force

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643481: Knowledge Based Tech For

BA 4: Advanced Component Development & Prototypes (ACD&P)

Development

Intelligence

	Start		End		
Events	Quarter	Year	Quarter	Year	
Will release Final GAMRA Prototype	4	2017	4	2017	

PE 0603260F: Intelligence Advanced Development Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 4: Advanced Component Development & Prototypes (ACD&P)

COST (\$ in Millions)

AII Prior Years FY 2012 FY 2013*

PROJECT
643482: Science & Tech Intelligence Advanced Development
FY 2014 FY 2014 FY 2014 FY 2014 FY 2015 FY 2016 FY 2017 FY 2018 Complete Cost

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
643482: Science & Tech Intelligence Methodology	-	0.725	0.471	1.066	-	1.066	1.383	0.870	1.538	1.566	Continuing C	ontinuing
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

Note

In FY2014, 643482, Science & Tech Intelligence Methodology includes a new start effort.

A. Mission Description and Budget Item Justification

The project demonstrates and validates intelligence methodologies and techniques for operational employment of simulation models in support of Air Force Intelligence, Surveillance, and Reconnaisance Agency (AFISRA), formerly the Air Intelligence Agency, requirements. The methods and techniques will help AFISRA improve their analysis of current and future foreign weapon systems, and prevent technological surprises to our warfighters with regard to the capabilities of these systems. Activities also include studies and analysis to support both current program planning and execution and future program planning.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Title: Real Time Intelligence Situational Awareness (RTISA)	0.718	0.464	0.000
Description: Continues effort to provide machine "learning" capability, which simulates a real-time interactive enviornment that results in an heightened sense of intel awareness.			
FY 2012 Accomplishments: Continued prototype development.			
FY 2013 Plans: Releasing prototype to users in realistic operating environment; incorporating user feedback and completing development of final prototype.			
FY 2014 Plans: N/A			
Title: Enabling Discovery through Automated Content Extraction (EDACE)	0.000	0.000	1.059

PE 0603260F: Intelligence Advanced Development Air Force

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^{##} The FY 2014 OCO Request will be submitted at a later date

				UNCLAS	SIFIED						
Exhibit R-2A, RDT&E Project Just	tification: PB 2	2014 Air Fo	rce						DATE: A	pril 2013	
APPROPRIATION/BUDGET ACTIV 3600: Research, Development, Tes BA 4: Advanced Component Develo	t & Evaluation,)& <i>P</i>)	PE 06	EM NOMEN 03260F: Inte		/anced	PROJEC 643482: Methodo	Science &	Tech Intellige	ence
B. Accomplishments/Planned Pro	ograms (\$ in M	lillions)							FY 2012	FY 2013	FY 2014
Description: Develop automated in topic, concepts and emergence using gray literature, conference papers,	ng information										
FY 2012 Accomplishments: N/A											
FY 2013 Plans: N/A											
FY 2014 Plans: Will initiate prototype development of technical topic, concepts and emmessage traffic, gray literature, con	ergence using	information									
Title: PMA									0.007	0.007	0.007
Description: PMA costs (including development and implementation.	supplies and tr	avel) suppo	ort managem	ent with eng	ineering and	l technical s	upport for				
FY 2012 Accomplishments: PMA costs (including supplies and implementation.	travel) supporte	ed manager	ment with en	gineering an	d technical s	support for d	evelopment	and			
FY 2013 Plans: PMA costs (including supplies and implementation.	travel) support	manageme	nt with engir	neering and t	echnical sup	port for dev	elopment an	d			
FY 2014 Plans: PMA costs (including supplies and implementation.	travel) will supp	oort manage	ement with e	ngineering a	nd technical	support for	developmen	t and			
				Accon	nplishments	/Planned P	rograms Su	ıbtotals	0.725	0.471	1.066
C. Other Program Funding Summ	ary (\$ in Millio	ons)									
Line Item • None: N/A	FY 2012 0.000	FY 2013 0.000	FY 2014 Base 0.000	FY 2014 OCO	FY 2014 Total 0.000	FY 2015 0.000	FY 2016 0.000	FY 2017 0.000		•	Total Cost Continuing

PE 0603260F: *Intelligence Advanced Development* Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643482: Science & Tech Intelligence

BA 4: Advanced Component Development & Prototypes (ACD&P)

Development

Methodology

C. Other Program Funding Summary (\$ in Millions)

FY 2014 FY 2014 FY 2014 Cost To

Line Item FY 2012 FY 2013 Base OCO Total FY 2015 FY 2016 FY 2017 FY 2018 Complete Total Cost

Remarks

Air Force

D. Acquisition Strategy

Requirements for new / improved techniques for operational employment of simulation models are gathered and prioritized by the Air Force Intelligence, Surveillance, and Reconnaissance Agency (AFISRA), formerly the Air Intelligence Agency. Development of the new / improved capabilities to meet the requirements is managed by AF Research Laboratory (Rome Research Site). Prototype products (usually software), once evaluated by the users, are transitioned from the laboratory to operational community in spirals. All major contracts within this project are awarded after full and open competition.

E. 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.

UNCLASSIFIED

PE 0603260F: Intelligence Advanced Development

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DATE: April 2013 Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force APPROPRIATION/BUDGET ACTIVITY **R-1 ITEM NOMENCLATURE PROJECT** 3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced 643482: Science & Tech Intelligence BA 4: Advanced Component Development & Prototypes (ACD&P) Development Methodology FY 2014 FY 2014 FY 2014 **Product Development (\$ in Millions)** oco FY 2012 FY 2013 Base Total Contract Target Method Performing All Prior Award Award Award Award **Cost To** Total Value of **Cost Category Item** & Type Activity & Location Years Cost Date Cost Date Cost Date Cost Date Complete Cost Contract Cost Real Time Intelligence Northrop Situational Awareness C/CPFF Grumman:Fairborn. 0.718 Oct 2011 0.464 May 2013 0.000 0.000 0.000 1.182 2.605 (RTISA) **Enabling Discovery** through Automated C/TBD TBD:TBD, 0.000 1.059 Continuing Continuing TBD 0.000 1.059 Oct 2013 Content Extraction (EDACE) Subtotal 0.000 0.718 0.464 1.059 0.000 1.059 FY 2014 FY 2014 FY 2014 Support (\$ in Millions) oco FY 2012 FY 2013 Base Total Contract Target Method All Prior Award Award **Cost To** Value of Performing Award Award Total **Cost Category Item** & Type Activity & Location Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract 0.000 0.000 0.000 0.000 Subtotal 0.000 0.000 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Test and Evaluation (\$ in Millions) FY 2012 FY 2013 oco Base Total Target Contract Method Performing All Prior Award Award Award Award **Cost To Total** Value of **Cost Category Item** & Type **Activity & Location** Cost Cost Cost Cost Complete Contract Years Date Date Date Date Cost Cost 0.000 0.000 0.000 0.000 Subtotal 0.000 0.000 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Management Services (\$ in Millions) oco Base FY 2012 FY 2013 Total Contract Target Method Performing All Prior Award Award Award Award **Cost To Total** Value of **Cost Category Item** & Type Activity & Location Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract AFRL - Information **PMA** 0.007 Oct 2012 TBD Various Directorate:Rome. Oct 2011 0.007 0.007 Oct 2013 0.007 Continuing Continuing NY Subtotal 0.000 0.007 0.007 0.007 0.000 0.007

PE 0603260F: Intelligence Advanced Development

Air Force

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APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOM	ENCLATURE		PROJECT			
3600: Research, Development, Test & Evaluation,	Air Force		PE 0603260F: I	ntelligence Advanc	ed	643482: Science	e & Tech Ir	ntelligenc	e
BA 4: Advanced Component Development & Proto	types (AC	CD&P)	Development	-		Methodology		-	
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2		Cost To	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.725	0.471	1.066	0.000	1.06	6		

Remarks

PE 0603260F: Intelligence Advanced Development

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force

Air Force

DATE: April 2013

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

R-1 ITEM NOMENCLATURE

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603260F: Intelligence Advanced 64348

Development

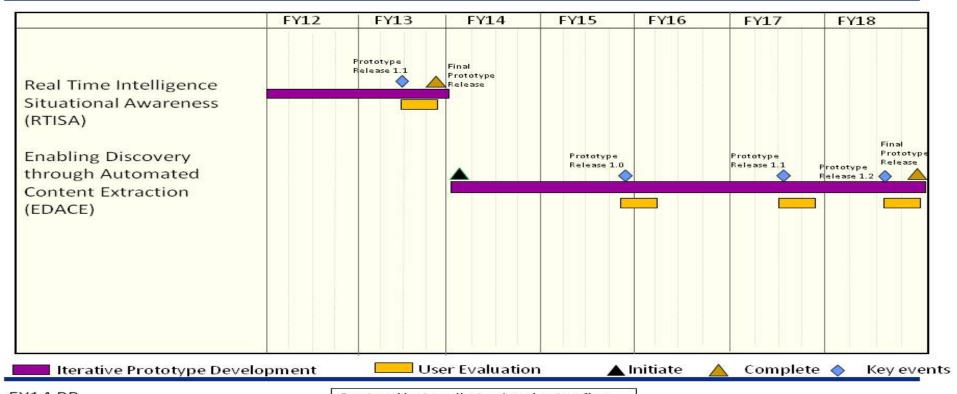
PROJECT

643482: Science & Tech Intelligence

Methodology



Intelligence Advanced Development (IAD) Program Schedule BPAC 643482



FY14 PB

Depicted by installation/production flow

R-1 ITEM NOMENCLATURE

DATE: April 2013 Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force PE 0603260F: Intelligence Advanced

BA 4: Advanced Component Development & Prototypes (ACD&P) Development Methodology

PROJECT

643482: Science & Tech Intelligence

Schedule Details

	Sta	art	End		
Events	Quarter	Year	Quarter	Year	
Real Time Intelligence Situational Awareness (RTISA) Prototype Development	1	2012	4	2013	
Releasing RTISA Prototype 1.2	2	2013	2	2013	
Conducting RTISA Prototype 1.2 User Evaluation	2	2013	4	2013	
Releasing Final RTISA Prototype	4	2013	4	2013	
Enabling Discovery through Automated Content Extraction (EDACE) Prototype Development	1	2014	4	2018	
Will release EDACE Prototype 1.0	4	2015	4	2015	
Will conduct EDACE Prototype 1.0 User Evaluation	4	2015	2	2016	
Will release EDACE Prototype 1.1	3	2017	3	2017	
Will conduct EDACE Prototype 1.1 User Evaluation	3	2017	4	2017	
Will release EDACE Prototype 1.2	3	2018	3	2018	
Will conduct EDACE Prototype 1.2 User Evaluation	3	2018	4	2018	
Will release Final EDACE Prototype	4	2018	4	2018	

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