

UNCLASSIFIED

PE NUMBER: 0603260F

PE TITLE: Intelligence Advanced Development

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	4.364	4.571	4.580	4.734	4.817	4.902	5.007	5.076	Continuing	TBD
3479 Advanced Sensor Exploitation	0.922	0.822	0.743	0.774	0.804	0.822	0.835	0.841	Continuing	TBD
3480 Automated Imagery Exploitation	0.883	1.324	1.355	1.398	1.416	1.438	1.470	1.492	Continuing	TBD
3481 Knowledge Based Tech For Intelligence	1.804	1.349	1.381	1.425	1.443	1.465	1.499	1.521	Continuing	TBD
3482 Science & Tech Intelligence Methodology	0.755	1.076	1.101	1.137	1.154	1.177	1.203	1.222	Continuing	TBD

(U) **A. Mission Description and Budget Item Justification**

(U) Intelligence Advanced Development (IAD) demonstrates and validates advanced technologies required to support warfighter needs for timely all-source intelligence information. IAD research 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 by using new and existing data sources, streamlining data analyses, reducing the required intelligence footprint, and by extending the life of sensors in place as well as enhancing their performance. Air Force Research Lab Rome Research Site (AFRL/IFE) works directly with users, employing a rapid prototyping evolutionary approach, integrating finished modules directly into the field. The programs are oriented toward specific shortfalls and deficiencies as documented by the major commands (MAJCOMS), combatant commands, and intelligence organizations in their mission and functional area plans. The goal of this program is to expedite technology transition from the laboratory to operational use via rapid prototyping. This AF program is focused on technology insertion to correct AF intelligence deficiencies at tactical and operational levels. This program bridges the transition of new technologies from Advanced Technology Demonstrations (ATDs) and Integrated Technology Thrust Programs (ITTPs) into current/new systems, and also supports the associated Defense Technology Objectives (DTOs).

This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information / intelligence systems' capabilities and techniques.

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	4.453	4.612	4.655	4.740
(U) Current PBR/President's Budget	4.364	4.571	4.580	4.734
(U) Total Adjustments	-0.089	-0.041		
(U) Congressional Program Reductions				
Congressional Rescissions		-0.041		
Congressional Increases				
Reprogrammings	-0.089			
SBIR/STTR Transfer				

(U) **Significant Program Changes:**

R-1 Shopping List - Item No. 39-1 of 39-17

Exhibit R-2 (PE 0603260F)

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581 - Amended 3/2/05

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Exhibit R-2a, RDT&E Project Justification

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3479 Advanced Sensor Exploitation

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3479 Advanced Sensor Exploitation	0.922	0.822	0.743	0.774	0.804	0.822	0.835	0.841	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **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. Capabilities 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) within seconds/minutes as opposed to 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, and IMINT; providing faster situational awareness and threat assessment, and replace manual systems with automated capabilities.

This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information / intelligence systems' capabilities and techniques.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Complete Advanced Fusion Workstation (AFWS) Transition	0.409			
(U) Continue/Complete Predictive Battlespace Awareness (PBA)	0.513	0.822	0.743	
(U) Initiate Web Automated Assistance with Intelligence Preparation of the Battlespace (WA2IPB)				0.774
(U) Total Cost	0.922	0.822	0.743	0.774

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

	<u>FY 2004</u> <u>Actual</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) AF RDT&E										
(U) Other APPN										
None										

(U) **D. Acquisition Strategy**

All major contracts within this project were awarded after full and open competition.

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582 - Amended 3/2/05

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603260F Intelligence Advanced Development					PROJECT NUMBER AND TITLE 3479 Advanced Sensor Exploitation				
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Advanced Fusion Workstation (AFWS)	C/CPFF	Northrop-Gru mman Corp., Melbourne, FL	0.278	0.409	Nov-03	0.000		0.000		0.000		0.000	0.687	0.687
Predictive Battlespace Awareness (PBA)	C/CPFF	Zel-Tec, Inc., Hampton, VA	0.320	0.513	Nov-03	0.822	Nov-04	0.743	Nov-05	0.000		0.000	2.398	2.398
Web Automated Assistance with Intelligence Preparation of the Battlefield (WA2IPB)	TBD	TBD	0.000	0.000		0.000		0.000		0.774	Jan-07	3.603	4.377	TBD
Subtotal Product Development			0.598	0.922		0.822		0.743		0.774		3.603	7.462	TBD
Remarks:														
(U) Total Cost			0.598	0.922		0.822		0.743		0.774		3.603	7.462	TBD

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3479 Advanced Sensor Exploitation

Fiscal Year	2004				2005				2006				2007				2008				2009				2010				2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
<u>Advanced Sensor Exploitation</u>																																
<u>(BPAC 3479) Efforts</u>																																
- Advanced Fusion Work Station																																
- Predictive Battlespace Awareness																																
- Web Automated Assistance w/ Intel Prep of the Battlespace																																

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Exhibit R-4a, RDT&E Schedule Detail			DATE	
			February 2005	
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE		
04 Advanced Component Development and Prototypes (ACD&P)	0603260F Intelligence Advanced Development	3479 Advanced Sensor Exploitation		
(U) <u>Schedule Profile</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Complete Advanced Fusion Work Station (AFWS)	4Q			
(U) Continue / Complete Predictive Battlespace Awareness (PBA)	1-4Q	1-4Q	4Q	
(U) Initiate Web Automated Assistance with Intelligence Preparation of the Battlespace (WA2IPB)				2Q

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Exhibit R-2a, RDT&E Project Justification

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3480 Automated Imagery Exploitation

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3480 Automated Imagery Exploitation	0.883	1.324	1.355	1.398	1.416	1.438	1.470	1.492	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **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 be more precise target locations and identifications, precise target reference scenes, and more accurate damage assessments for the operator; all developed for easy supportability on low-cost, commercially-available computer workstations.

This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information / intelligence systems' capabilities and techniques.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Continue / Complete Imagery Assurance and Exploitation	0.144	0.150		
(U) Initiate / Complete Distributed Common Ground Systems (DCGS) Video Processing Capability (VPC)	0.145	0.100		
(U) Initiate / Complete J-View Integration into AF Research Laboratory (AFRL) Imagery Viewer	0.194	0.150		
(U) Initiate / Complete Map-Based Interface to Geospacial Product Library Client	0.194	0.150		
(U) Initiate / Continue / Complete UAV Motion Imagery Exploitation (MIE)	0.206	0.365	0.400	
(U) Initiate / Continue / Complete Dynamic Motion Imagery Annotation & Exploitation Tools		0.200	0.479	0.320
(U) Initiate / Continue / Complete Operational Imagery Protection and Authentication		0.209	0.476	0.415
(U) Initiate Multi-View Toolkit for Imagery Assessment and Exploitation				0.663
(U) Total Cost	0.883	1.324	1.355	1.398

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

	<u>FY 2004</u> <u>Actual</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) AF RDT&E										
(U) Other APPN										
None										

(U) **D. Acquisition Strategy**

All major contracts within this project were awarded after full and open competition.

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586 - Amended 3/2/05

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603260F Intelligence Advanced Development					PROJECT NUMBER AND TITLE 3480 Automated Imagery Exploitation				
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Imagery Assurance and Exploitation	C/CPFF	PAR Government Systems Corp., New Hartford, NY	0.276	0.144	Nov-03	0.150	Nov-04					0.000	0.570	0.570
Distributed Common Ground Systems (DCGS) Video Processing Capability (VPC) Video Annotation Capability	C/CPFF	Science Applications International Corp (SAIC), Dayton, OH	0.000	0.145	Jan-04	0.100	Nov-04					0.000	0.245	0.444
J-View Integration into AFRL Imagery Viewer	C/CPFF	CACI-MTL Systems, Inc., Beavercreek, OH	0.000	0.194	Jan-04	0.150	Nov-04					0.000	0.344	0.344
Map-Based Interface for Geospacial Product Library Client	C/CPFF	LPA Systems, Fairport, NY	0.000	0.194	Jan-04	0.150	Nov-04					0.000	0.344	0.344
UAV Motion Imagery Exploitation (MIE)	C/CPFF	PAR Government Systems Corp., New Hartford, NY	0.000	0.206	Jan-04	0.365	Nov-04	0.400	Nov-05			0.000	0.971	1.198
Dynamic Motion Imagery Annotation & Exploitation Tools	C/CPFF	TBD	0.000	0.000		0.200	Mar-05	0.479	Nov-05	0.320	Nov-06	0.000	0.999	TBD
Operational Imagery Protection and Authentication	C/CPFF	TBD	0.000	0.000		0.209	Mar-05	0.476	Nov-05	0.415	Nov-06	0.000	1.100	TBD
Multi-View Toolkit for Imagery Assessment and Exploitation	C/TBD	TBD	0.000	0.000		0.000				0.663	Jan-07	1.971	2.634	TBD
Subtotal Product Development			0.276	0.883		1.324		1.355		1.398		1.971	7.207	TBD
Remarks:														
(U) Total Cost			0.276	0.883		1.324		1.355		1.398		1.971	7.207	TBD

Project 3480

R-1 Shopping List - Item No. 39-7 of 39-17

Exhibit R-3 (PE 0603260F)

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2005

BUDGET ACTIVITY

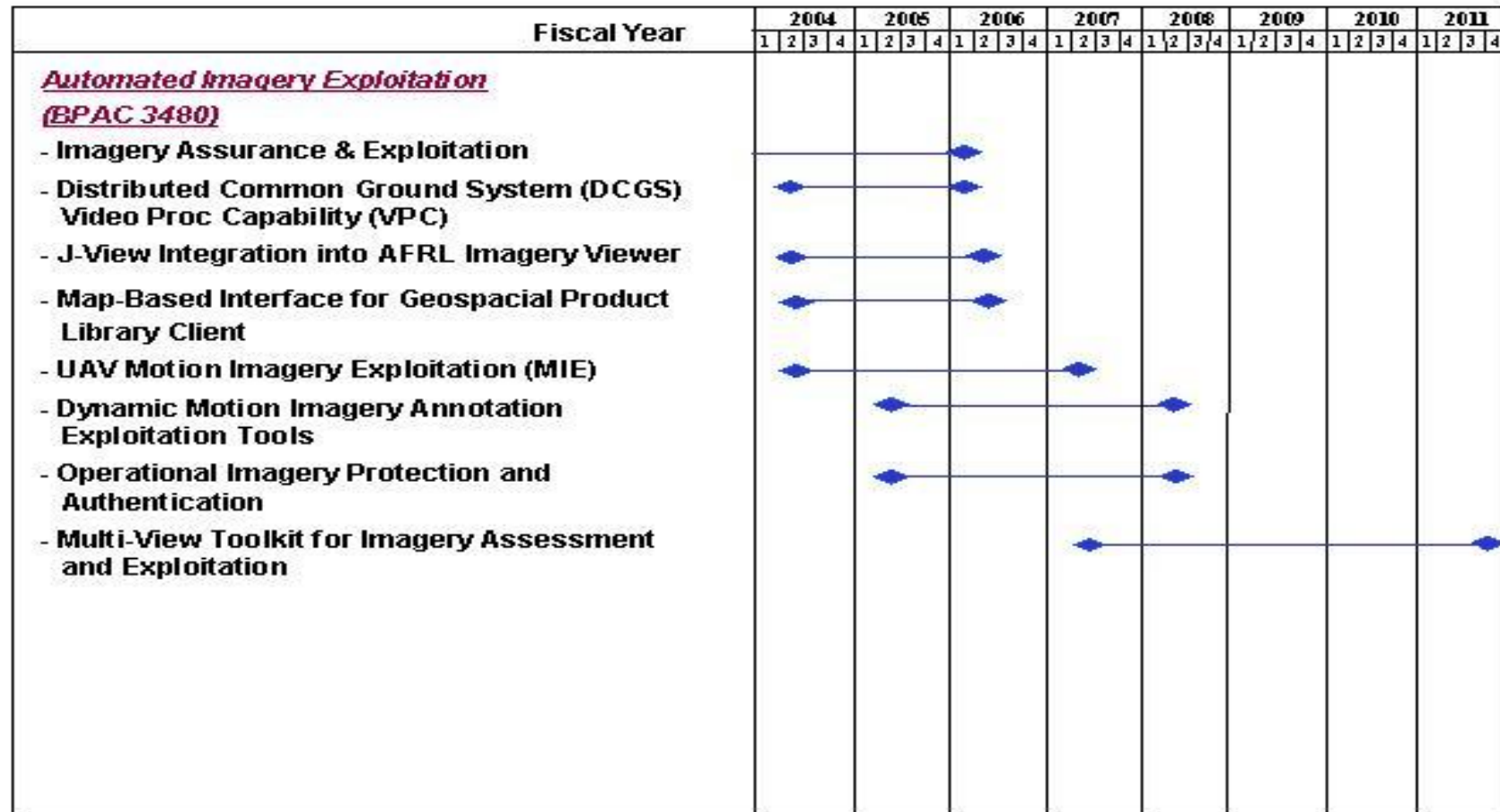
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3480 Automated Imagery Exploitation



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Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced
Development

PROJECT NUMBER AND TITLE

3480 Automated Imagery Exploitation

(U) Schedule Profile

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Continue / Complete Imagery Assurance & Exploitation	1-4Q	1-4Q	1Q	
(U) Initiate / Continue/Complete Distributed Common Ground Systems (DCGS) Video Processing Capability (VPC)	2Q	1-4Q	1Q	
(U) Initiate / Continue/Complete J-View Integration into AFRL Imagery Viewer	2Q	1-4Q	2Q	
(U) Initiate / Continue/Complete Map-Based Interface for Geospacial Product Library Client	2Q	1-4Q	2Q	
(U) Initiate / Continue/Complete UAV Motion Imagery Exploitation (MIE)	2Q	1-4Q	1-4Q	2Q
(U) Initiate / Continue Dynamic Motion Imagery Annotation Exploitation Tools		2Q	1-4Q	1-4Q
(U) Initiate / Continue Operational Imagery Protection and Authentication		2Q	1-4Q	1-4Q
(U) Initiate Multi-View Toolkit for Imagery Assessment and Exploitation				2Q

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Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603260F Intelligence Advanced Development			PROJECT NUMBER AND TITLE 3481 Knowledge Based Tech For Intelligence		
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3481 Knowledge Based Tech For Intelligence	1.804	1.349	1.381	1.425	1.443	1.465	1.499	1.521	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **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 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.

This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information/intelligence systems' capabilities and techniques.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Continue Trusted Transfer Agent (TTA) -- Complete Phase 2, Reach Up	0.300			
(U) Continued Trusted Transfer Agent (TTA) -- Continue/Complete Phase 3, Starguard	0.504	0.250		
(U) Continue / Complete Infrastructure Operations Tool Access/Secure Intelligence Data Enterprise (IOTA / SIDEARM)	0.200	0.100		
(U) Initiate/Continue/Complete Counter Terrorism / Information Operations (CT / IO) Target Data Access	0.300	0.200	0.275	
(U) Initiate / Continue/Complete High Throughput Imagery Guard (H-TIG)	0.200	0.250	0.325	
(U) Initiate / Continue / Complete Multi Information Domain Access Web Server (MIDAS)	0.300	0.319	0.456	
(U) Initiate / Continue Enterprise Workflow Management (EWM)		0.230	0.325	0.350
(U) Initiate Non-Traditional Intelligence / Surveillance / Reconnaissance (ISR) Production Management (NTIPM)				1.075
(U) Total Cost	1.804	1.349	1.381	1.425

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

	<u>FY 2004</u> <u>Actual</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) AF RDT&E										
(U) Other APPN										
None										

(U) **D. Acquisition Strategy**

All major contracts within this project were awarded after full and open competition.

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603260F Intelligence Advanced Development					PROJECT NUMBER AND TITLE 3481 Knowledge Based Tech For Intelligence				
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Trusted Transfer Agent (TTA) Phase 2 - Reach Up	C/IDIQ	Dolphin Technology, Inc., Rome, NY	0.358	0.300	Nov-03	0.000		0.000		0.000		0.000	0.658	0.658
Trusted Transfer Agent (TTA) Phase 3 - Secure Trusted Automated Routing (STAR) Guard	C/IDIQ	Dolphin Technology, Inc., Rome, NY	0.105	0.504	Nov-03	0.250	Nov-04	0.000		0.000		0.000	0.859	0.859
Information Operations Tool Access (IOTA) / Secure Intelligence Data Enterprise-Aware Repository Middleware (SIDEARM)	C/IDIQ	Northrop Grumman Corp, Bellevue, NE	0.200	0.200	Nov-03	0.100	Nov-04	0.000		0.000		0.000	0.500	0.500
Counter Terrorism /Information (CT / IO) Operations Target Data Access	C/CPFF	Northrop Grumman Corp, Bellevue, NE	0.000	0.300	Mar-04	0.200	Nov-04	0.275	Nov-05	0.000		0.000	0.775	0.775
High Throughput Imagery Guard (H-TIG)	C/IDIQ	Dolphin Technology, Inc., Rome, NY	0.000	0.200	Feb-04	0.250	Nov-04	0.325	Nov-05	0.000		0.000	0.775	0.775
Multi-Information Domain Access Web Server (MIDAS)	C/IDIQ	Dolphin Technology, Inc., Rome, NY	0.000	0.300	Mar-04	0.319	Nov-04	0.456	Nov-05	0.000		0.000	1.075	1.075
Enterprise Workflow Management	C/CPFF	TBD	0.000	0.000		0.230	Mar-05	0.325	Nov-05	0.350	Nov-06	0.150	1.055	TBD
Non-Traditional ISR Production Management (NTIPM)	TBD	TBD	0.000	0.000		0.000		0.000		1.075	Jan-07	2.864	3.939	TBD
Subtotal Product Development			0.663	1.804		1.349		1.381		1.425		3.014	9.636	TBD
Remarks:														
(U) Total Cost			0.663	1.804		1.349		1.381		1.425		3.014	9.636	TBD

Project 3481

R-1 Shopping List - Item No. 39-11 of 39-17

Exhibit R-3 (PE 0603260F)

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591 - Amended 3/2/05

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2005

BUDGET ACTIVITY

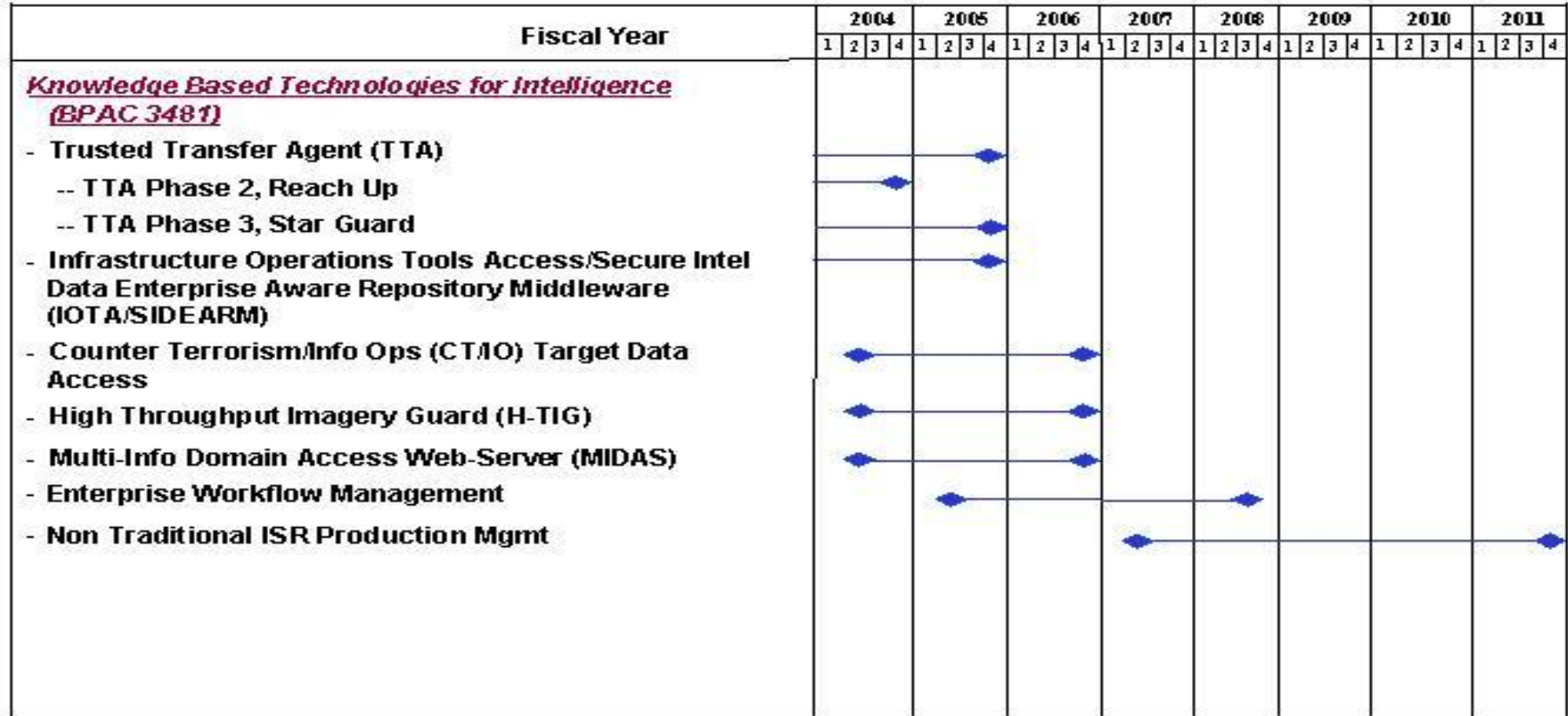
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3481 Knowledge Based Tech For Intelligence



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Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3481 Knowledge Based Tech For Intelligence

(U) Schedule ProfileFY 2004FY 2005FY 2006FY 2007

(U) Complete Trusted Transfer Agent (TTA) -- Complete Phase 2, Reach Up

4Q

(U) Continue / Complete Trusted Transfer Agent (TTA) -- Continue / Complete Phase 3, Starguard

1-4Q

4Q

(U) Continue / Complete Infrastructure Operations Tools Access (IOTA) / Secure Intelligence Data Enterprise -Aware Repository Middleware (IOTA / SIDEARM)

1-4Q

4Q

(U) Initiate / Continue / Complete Counter-Terrorism/Information Operations (CT / IO) Target Data Access

2Q

1-4Q

4Q

(U) Initiate / Continue / Complete High Throughput Imagery Guard (H-TIG)

2Q

1-4Q

4Q

(U) Initiate / Continue / Complete Multi Information Domain Access Web Server (MIDAS)

2Q

1-4Q

4Q

(U) Initiate / Continue Enterprise Workflow Management Tool

2Q

1-4Q

1-4Q

(U) Initiate Non Traditional ISR Production Management

2Q

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February 2005

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603260F Intelligence Advanced Development			PROJECT NUMBER AND TITLE 3482 Science & Tech Intelligence Methodology		
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3482 Science & Tech Intelligence Methodology	0.755	1.076	1.101	1.137	1.154	1.177	1.203	1.222	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **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 Intelligence Agency (AIA) requirements. The methods and techniques will help AIA 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.

This program is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technology which enhances information / intelligence systems' capabilities and techniques.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Complete Tel-Scope Situation Awareness	0.200			
(U) Complete Joint Dynamic Information Operations Decision Environment (DIODE) Integration Tools	0.225			
(U) Continue / Complete Joint Integrated Air Defense System (IADS) View	0.150	0.377		
(U) Initiate / Continue/Complete DIODE / Automated Correspondence Analysis System (ACAS)	0.180	0.350	0.350	0.100
(U) Initiate / Continue/Complete Command & Control (C2) Process Models		0.349	0.351	0.281
(U) Initiate / Continue Integrated Denial & Deception Signatures and Materials (IDMATs)			0.400	0.290
(U) Initiate Adversary Tactics Training & Readiness Knowledge Base (ATT&RKB)				0.466
(U) Total Cost	0.755	1.076	1.101	1.137

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

	<u>FY 2004</u> <u>Actual</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) AF RDT&E										
(U) Other APPN										
None										

(U) **D. Acquisition Strategy**

All major contracts within this project were awarded after full and open competition.

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603260F Intelligence Advanced Development					PROJECT NUMBER AND TITLE 3482 Science & Tech Intelligence Methodology				
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Tel-Scope Situation Awareness	C/FFP	PRC, Inc., Dayton, OH	0.532	0.200	Nov-03	0.000		0.000		0.000		0.000	0.732	0.732
Joint DIODE Integration Tools	C/CPFF	Northrop-Gru mman, Dayton, OH	0.283	0.225	Nov-03	0.000		0.000		0.000		0.000	0.508	0.508
Joint Integrated Air Defense System (IADS) View	C/CPFF	SAIC, Fairborn, OH	0.159	0.150	Nov-03	0.377	Nov-04	0.000		0.000		0.000	0.686	0.686
DIODE / Automated Correspondent Analysis System (ACAS)	C/CPFF	Prediction Systems, Inc., Spring Lake, NJ	0.000	0.180	Feb-04	0.350	Nov-04	0.350	Nov-05	0.100	Nov-06	0.000	0.980	0.980
Command and Control (C2) Process Models	C/CPFF	PRC, Inc., Dayton, OH	0.000	0.000		0.349	Feb-05	0.351	Nov-05	0.281	Nov-06	0.000	0.981	TBD
Integrated Denial & Deception Signatures and Materials (IDMATS)	TBD	TBD	0.000	0.000		0.000		0.400	Feb-06	0.290	Nov-06	0.325	1.015	TBD
Adversary Tactics & Training Readiness Knowledge Base	TBD	TBD	0.000	0.000		0.000		0.000		0.466	Feb-07	1.600	2.066	TBD
Subtotal Product Development			0.974	0.755		1.076		1.101		1.137		1.925	6.968	TBD
Remarks:														
(U) Total Cost			0.974	0.755		1.076		1.101		1.137		1.925	6.968	TBD

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2005

BUDGET ACTIVITY

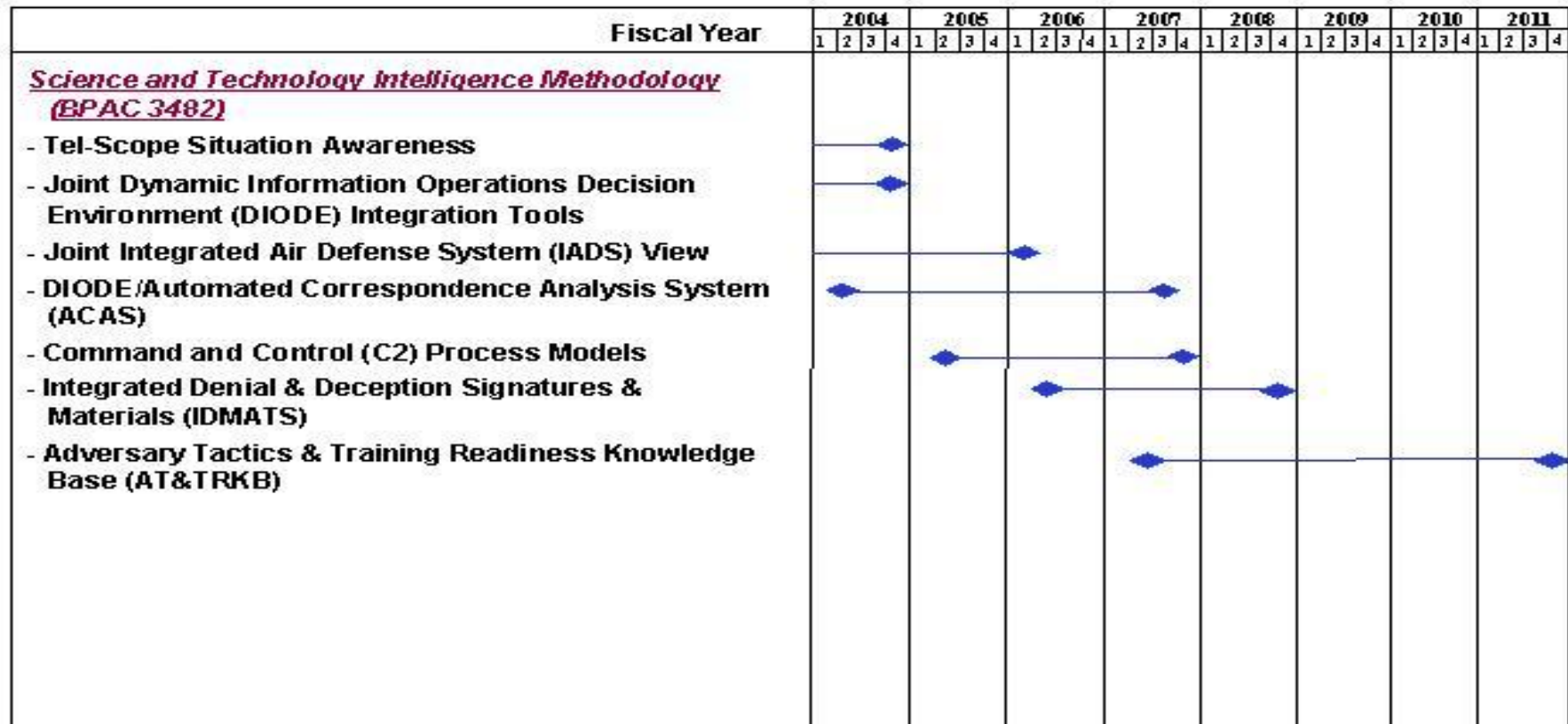
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3482 Science & Tech Intelligence Methodology



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Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2005

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced
Development

PROJECT NUMBER AND TITLE

3482 Science & Tech Intelligence
Methodology(U) Schedule ProfileFY 2004FY 2005FY 2006FY 2007

(U) Complete Tel-Scope Situation Awareness

4Q

(U) Complete Joint DIODE Integration Tools

4Q

(U) Continue / Complete Joint IADS View

1-4Q

1-4Q

1Q

(U) Initiate / Continue / Complete DIODE / Automated Correspondence Analysis
System (ACAS)

2Q

1-4Q

1-4Q

3Q

(U) Initiate / Continue/Complete Command and Control (C2) Process Models

2Q

1-4Q

4Q

(U) Initiate / Continue IDMATs Program

2Q

1-4Q

(U) Initiate Adversary Tactics & Training Readiness Knowledge Base (ATT & RKB)

2Q

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