

UNCLASSIFIED

PE NUMBER: 0603260F
 PE TITLE: Intelligence Advanced Development

Exhibit R-2, RDT&E Budget Item Justification	DATE May 2009
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603260F Intelligence Advanced Development
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Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	5.892	6.570	5.009	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
3479 Advanced Sensor Exploitation	1.807	1.830	1.829	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
3480 Automated Imagery Exploitation	0.641	2.446	0.911	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
3481 Knowledge Based Tech For Intelligence	1.506	1.577	1.557	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
3482 Science & Tech Intelligence Methodology	1.938	0.717	0.712	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

(U) Program Element (PE) 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. The Air Force Research Laboratory, Rome Research Site, Information and Intelligence Exploitation Division (AFRL/RIE) works directly with users, employing a rapid prototyping evolutionary approach, then integrating finished modules directly into the field. The programs are oriented towards specific shortfalls and deficiencies as documented by the major commands, combatant commands, and intelligence organizations in their mission and functional area plans. The goal of this PE is to expedite technology transition from the laboratory to operational use via rapid prototyping. This AF PE is focused on technology insertion to correct AF intelligence deficiencies at tactical and operational levels. The PE bridges the transition of new technologies from Advanced Technology Demonstrations and Integrated Technology Thrust Programs into current/new systems, and also supports the associated Defense Technology Objectives. IAD may reallocate existing resources to support out-of-cycle new/updated warfighter requirements.

This PE is in Advanced Component Development & Prototypes (ACD&P), Budget Activity 4, because it demonstrates and validates advanced technologies that enhance information / intelligence systems' capabilities and techniques.

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BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603260F Intelligence Advanced Development

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	5.892	4.988	5.095
(U) Current PBR/President's Budget	5.892	6.570	5.009
(U) Total Adjustments	0.000	1.582	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.018	
Congressional Increases		1.600	
Reprogrammings			
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			
FY09 \$1.6M Congressional Add for Broad Area Multi-Intelligence Ubiquitous Enterprise (BMUSE) Project in BPAC 673480.			

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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 3479 Advanced Sensor Exploitation		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
3479 Advanced Sensor Exploitation	1.807	1.830	1.829	0.000	0.000	0.000	0.000	0.000	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 and Measurement and Signature Intelligence - MASINT) 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, 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.

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 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Completed Predictive Battlespace Awareness (Live Electronic Order of Battle)	0.536		
(U) Completed Web Automated Assistance with Intelligence Preparation of the Battlespace (WA2IPB)	0.216		
(U) Continue Ubiquitous Collaboration	1.055	0.872	1.829
(U) Completed Semi-Autonomous Intelligence Fusion		0.958	
(U) Total Cost	1.807	1.830	1.829

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) N/A										
(U) None										

(U) **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 fielded in incremental capability spirals. All major contracts within this

Exhibit R-2a, RDT&E Project Justification

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04 Advanced Component Development and Prototypes (ACD&P)

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3479 Advanced Sensor Exploitation

project are awarded after full and open competition.

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Exhibit R-3, RDT&E Project Cost Analysis

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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) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> Predictive Battlespace Awareness (Live Electronic Order of Battle)	C/CPFF	Northrop-Gru mman, Bellevue, NE and Intelligent Software Solutions, Colorado Springs, CO	3.733	0.536	Nov-07	0.000		0.000		0.000	4.269	4.269
Web Automated Assistance with Intelligence Preparation of the Battlefield (WA2IPB)	C/IDIQ	Zel-Tech, LLC, Hampton, VA	0.258	0.216	Nov-07	0.000		0.000		0.000	0.474	0.474
Ubiquitous Collaboration	C/IDIQ	Chiliad; ISS Washington DC and Dolphin/ITT Rome, NY	0.000	1.055	Mar-08	0.872	Nov-08	1.829	Nov-09	Continuing	TBD	TBD
Semi-Autonomous Intelligence Fusion	C/IDIQ	Dynetics, Dayton, OH	0.000	0.000		0.958	Jan-09	0.000		0.000	0.958	0.958
Subtotal Product Development			3.991	1.807		1.830		1.829		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			3.991	1.807		1.830		1.829		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

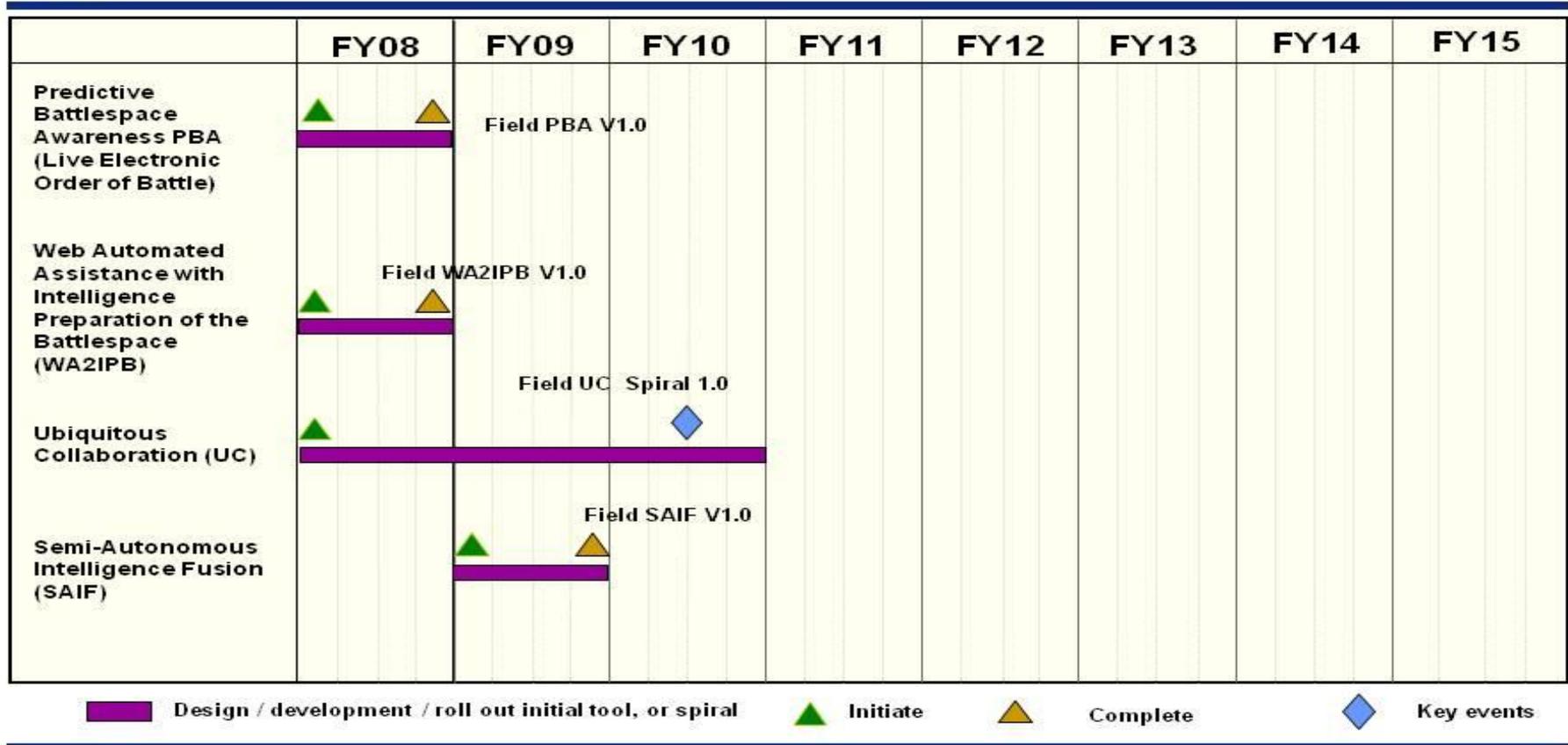
0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE

3479 Advanced Sensor Exploitation



Intelligence Advanced Development Program – Advanced Sensor Exploitation Program Schedule (BPAC 643479)



PB10 R-Docs

Depicted by installation/production flow

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Exhibit R-4a, RDT&E Schedule Detail		DATE May 2009
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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 3479 Advanced Sensor Exploitation
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(U) <u>Schedule Profile</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Complete Predictive Battlespace Awareness (Live Electronic Order of Battle)	1-4Q		
(U) Complete Web Automated Assistance with Intelligence Preparation of the Battlespace (WA2IPB)	1-4Q		
(U) Initiate / Continue Ubiquitous Collaboration	1-4Q	1-4Q	1-4Q
(U) Initiate /Continue / Complete Semi-Autonomous Intelligence Fusion (a.k.a Dynamic Models)		1-4Q	

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 3480 Automated Imagery Exploitation		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
3480 Automated Imagery Exploitation	0.641	2.446	0.911	0.000	0.000	0.000	0.000	0.000	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. Activities also include studies and analysis to support both current program planning and execution and future program planning.

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 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Complete Multi-View Toolkit for Imagery Assessment and Exploitation	0.340	0.546	
(U) Initiate / Continue Persistent Surveillance	0.301	0.300	0.330
(U) Initiate / Continue Digital Library Input Processing (DLIPS)			0.581
(U) Initiate/ Complete Broad Area Multi-Intelligence Ubiquitous Surveillance Enterprise (BMUSE)		1.600	
(U) Total Cost	0.641	2.446	0.911

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) N/A										
None										

(U) 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 fielded in incremental capability spirals. All major contracts within this project are awarded after full and open competition.

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Exhibit R-3, RDT&E Project Cost Analysis

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BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE				
04 Advanced Component Development and Prototypes (ACD&P)				0603260F Intelligence Advanced Development				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 2008 Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) <u>Product Development</u>												
Multi-View Toolkit for Imagery Assessment and Exploitation	C/CPFF	PAR Government Systems Corp., New Hartford, NY	0.907	0.340	Nov-07	0.546	Nov-08	0.000		0.000	1.793	1.793
Persistent Surveillance	C/CPFF	ITT, Rochester, NY	0.000	0.301	Jul-08	0.300	Nov-08	0.330	Nov-09	Continuing	TBD	TBD
Digital Library Input Processing (DLIPS)	C/TBD	TBD	0.000	0.000		0.000		0.581	Feb-10	Continuing	TBD	TBD
Broad Area Multi-Intelligence Ubiquitous Surveillance Enterprise (BMUSE)	C/TBD	ITT, White Plains, NY				1.600	Mar-09				1.600	1.600
Subtotal Product Development			0.907	0.641		2.446		0.911		Continuing	TBD	TBD
Remarks:												
(U) Subtotal			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.907	0.641		2.446		0.911		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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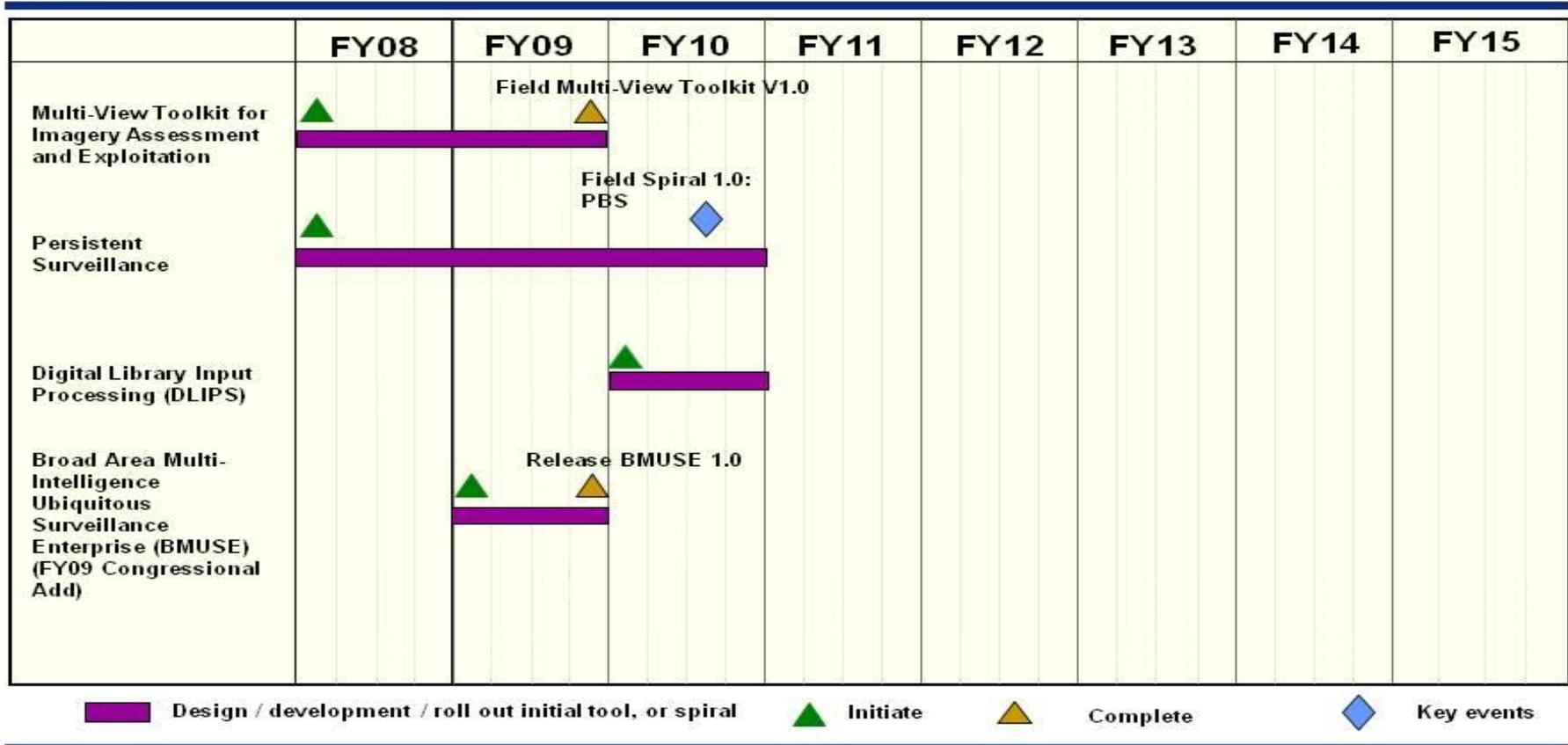
BUDGET ACTIVITY
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE
0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE
3480 Automated Imagery Exploitation



Intelligence Advanced Development Program – Advanced Automated Imagery Exploitation Schedule (BPAC 643480)



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Depicted by installation/production flow

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Exhibit R-4a, RDT&E Schedule Detail

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BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

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PROJECT NUMBER AND TITLE

3480 Automated Imagery Exploitation

(U) Schedule Profile

(U) Completed Multi-View Toolkit for Imagery Assessment and Exploitation

(U) Continue Persistent Surveillance

(U) Initiate Digital Library Input Processing (DLIPS)

(U) Completed Broad Area Multi-Intelligence Ubiquitous Surveillance Enterprise (BMUSE) (FY09 Congressional Add)

FY 2008

1-4Q

1-4Q

FY 2009

1-4Q

1-4Q

1-4Q

FY 2010

1-4Q

1-4Q

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 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
3481 Knowledge Based Tech For Intelligence	1.506	1.577	1.557	0.000	0.000	0.000	0.000	0.000	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. Activities also include studies and analysis to support both current program planning and execution and future program planning.

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 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Completed Enterprise Workflow Management (EWM)	0.185		
(U) Completed Non-Traditional Intelligence / Surveillance / Reconnaissance (ISR) Production Management	0.838		
(U) Continue Dynamic ISR for Non-Traditional Adversarial Methods	0.483	0.621	0.547
(U) Continue Net Enabled Dynamic Security (a.k.a. Enhanced Notional - to - Technical Integration ENTI)		0.956	1.010
(U) Total Cost	1.506	1.577	1.557

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>								
(U) N/A										
None										

(U) **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 fielded in incremental capability spirals. All major contracts within this project are awarded after full and open competition.

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BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE			
04 Advanced Component Development and Prototypes (ACD&P)				0603260F Intelligence Advanced Development				3481 Knowledge Based Tech For Intelligence			

<u>(U) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> Enterprise Workflow Management	C/CPFF	Northrop Grumman Corp, Bellevue, NE	1.565	0.185	Nov-07	0.000		0.000		0.000	1.750	1.750
Non-Traditional ISR Production Management (NTIPM)	C/IDIQ	Northrop-Grumman Corp, Bellevue NE & Intelligent Software Solutions, Colorado Springs, CO	1.626	0.838	Nov-07	0.000		0.000		0.000	2.464	2.464
Dynamic ISR for Non-Traditional Adversarial Methods	C/IDIQ	Northrop-Grumman Corp, Bellevue, NE	0.000	0.483	Feb-08	0.621	Nov-08	0.547	Nov-09	Continuing	TBD	TBD
Net-Enabled Dynamic Security	C/IDIQ	ISS, Colorado Springs, CO	0.000	0.000		0.956	Jan-09	1.010	Jan-10	Continuing	TBD	TBD
Subtotal Product Development			3.191	1.506		1.577		1.557		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			3.191	1.506		1.577		1.557		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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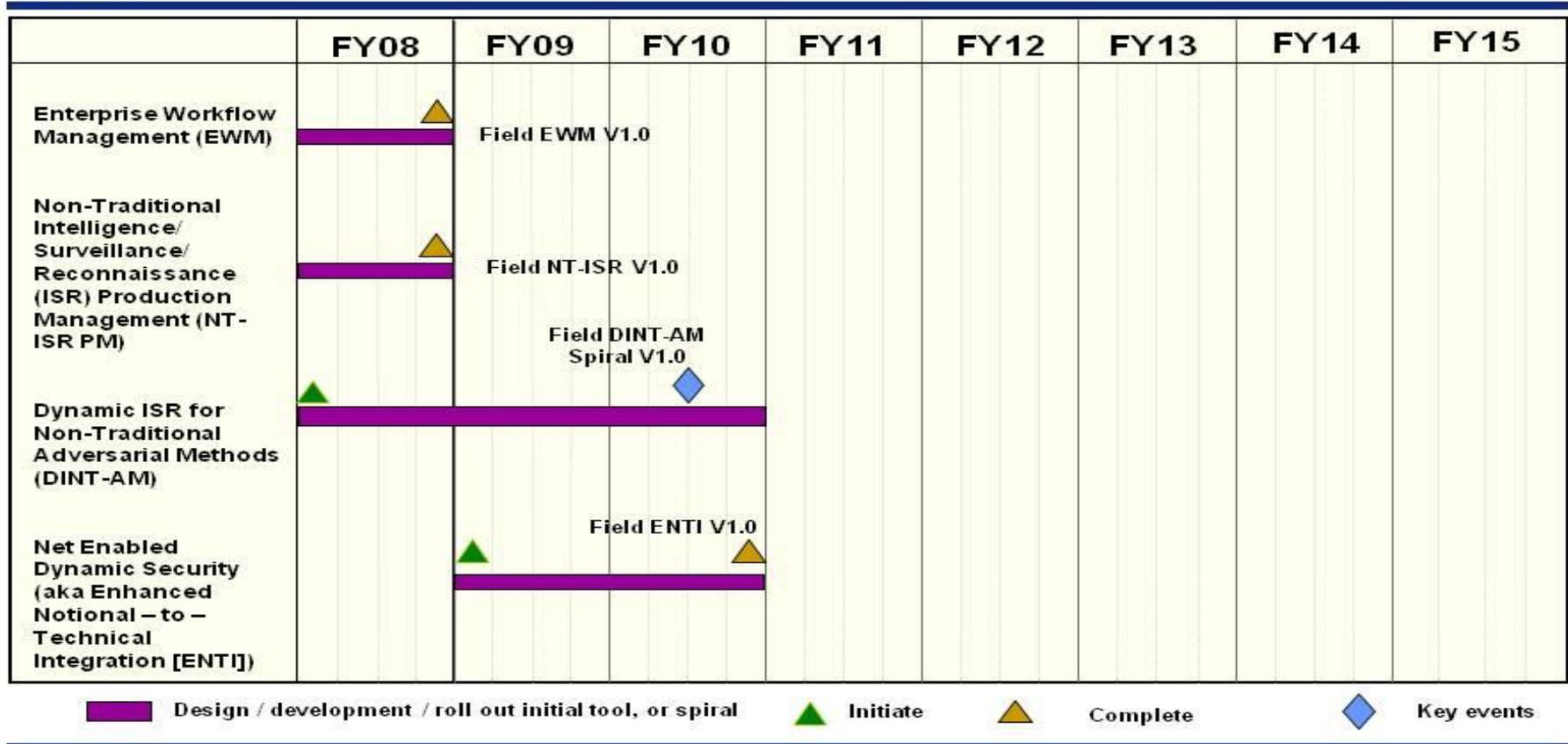
BUDGET ACTIVITY
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE
0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE
3481 Knowledge Based Tech For Intelligence



Intelligence Advanced Development Program – Knowledge Based Tech for Intelligence Schedule (BPAC 643481)



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Depicted by installation/production flow

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Exhibit R-4a, RDT&E Schedule Detail	DATE May 2009
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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
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	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) <u>Schedule Profile</u>			
(U) Completed Enterprise Workflow Management Tool	1-4Q		
(U) Completed Non-Traditional ISR Production Management	1-4Q		
(U) Continue Dynamic ISR for Non-Traditional Adversarial Methods	1-4Q	1-4Q	1-4Q
(U) Continue Net Enabled Dynamic Security (a.k.a. Enhanced Notional - to - Technical Integration [ENTI])		1-4Q	1-4Q

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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 3482 Science & Tech Intelligence Methodology		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
3482 Science & Tech Intelligence Methodology	1.938	0.717	0.712	0.000	0.000	0.000	0.000	0.000	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 Force Intelligence, Surveillance, and Reconnaissance 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.

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 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Completed Integrated Denial & Deception Signatures and Materials (IDMATS)	0.512		
(U) Complete Adversary Tactics, Training, and Readiness Knowledge Base	0.257	0.717	
(U) Completed Multilingual Text Mining Platform for Intel Analyst (MTMP) (FY08 Congressional Add)	1.169		
(U) Initiate / Continue Real Time Intelligence Situational Awareness (Analyst of Tomorrow - AoT)			0.712
(U) Total Cost	1.938	0.717	0.712

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>								
(U) N/A										
None										

(U) 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 fielded in incremental capability spirals. All major contracts within this project are awarded after full and open competition.

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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
04 Advanced Component Development and Prototypes (ACD&P)	0603260F Intelligence Advanced Development	3482 Science & Tech Intelligence Methodology

<u>(U) Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
<u>(U) Product Development</u>												
Integrated Denial & Deception Signatures and Materials (IDMATS)	C/CPFF	SAIC, Dayton OH	0.235	0.512	Nov-07	0.000		0.000		0.000	0.747	0.747
Adversary Tactics, Training, and Readiness Knowledge Base	C/CPFF	Northrop-Gru mman, Fairborn, OH	0.156	0.257	Nov-07	0.717	Nov-08			0.000	1.130	1.130
Multilingual Text Mining Platform for Intel Analyst (MTMP)	C/CPFF	Janya, Amherst, NY	0.000	1.169	Apr-08	0.000		0.000		0.000	1.169	1.169
Real Time Intelligence Situational Awareness (Analyst of Tomorrow - AoT)	TBD	TBD	0.000	0.000		0.000		0.712	Nov-09	Continuing	TBD	TBD
Subtotal Product Development			0.391	1.938		0.717		0.712		Continuing	TBD	TBD
Remarks:												
<u>(U) Total Cost</u>			0.391	1.938		0.717		0.712		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE
May 2009

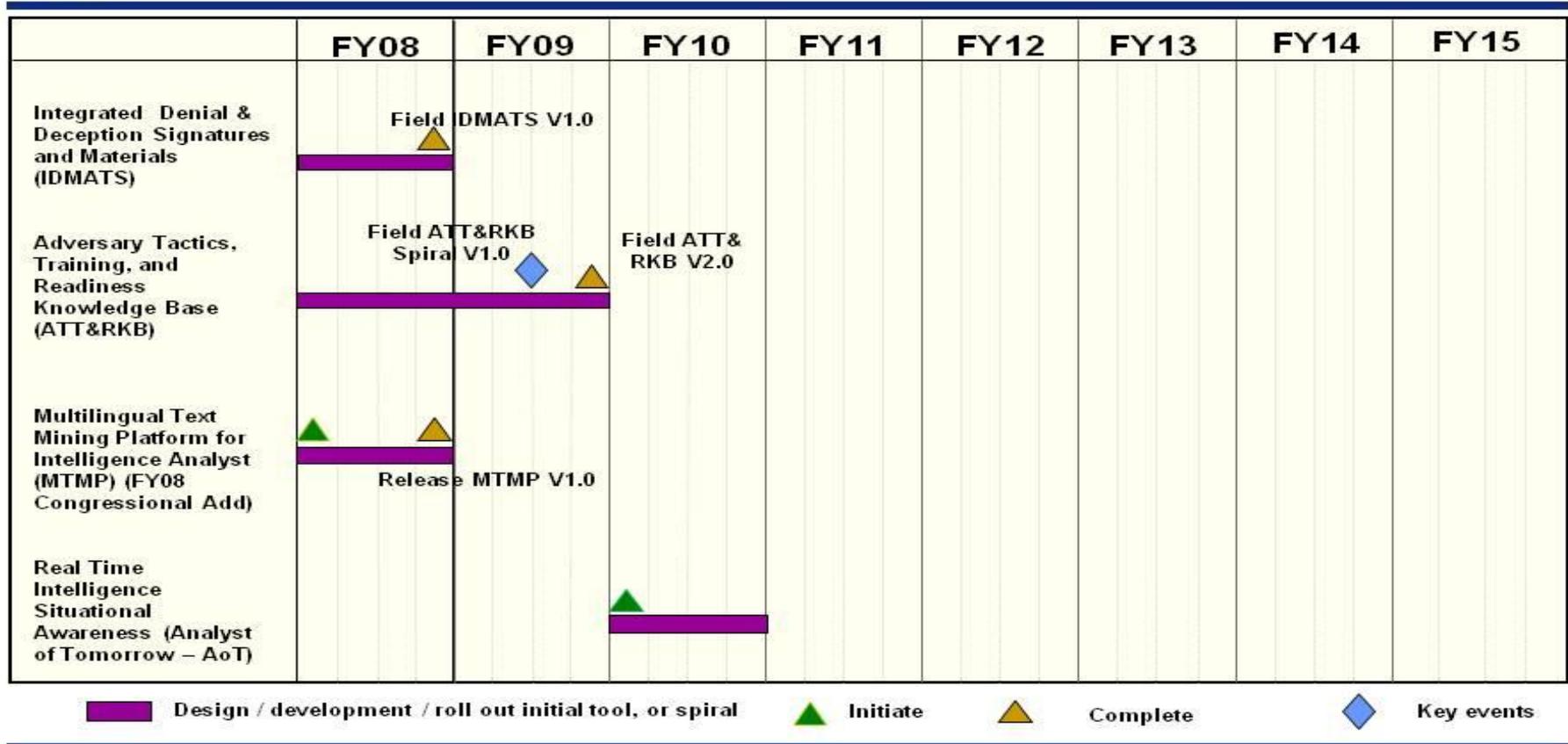
BUDGET ACTIVITY
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE
0603260F Intelligence Advanced Development

PROJECT NUMBER AND TITLE
3482 Science & Tech Intelligence Methodology



Intelligence Advanced Development Program – Science & Tech Intelligence Methodology Schedule (BPAC 643482)



PB10 R-Docs

Depicted by installation/production flow

1

UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail	DATE May 2009
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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 3482 Science & Tech Intelligence Methodology
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	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) <u>Schedule Profile</u>			
(U) Completed IDMATS Program	1-4Q		
(U) Complete Adversary Tactics, Training, and Readiness Knowledge Base (ATT&RKB)	1-4Q	1-4Q	
(U) Completed Multilingual Text Mining Platform for Intel Analyst (MTMP) (FY 08 Congressional Add)	1-4Q		
(U) Initiate / Continue Real Time Intelligence Situational Awareness (Analyst of Tomorrow - AoT)			1-4Q