Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force											Date: March 2014	

Appropriation/Budget Activity
3600: *Research, Development, Test & Evaluation, Air Force I* BA 5: *System Development & Demonstration (SDD)*

R-1 Program Element (Number/Name)
PE 0604750F *I Intelligence Equipment*

COST ($ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	0.736	-	-	-	-	-	-	-	-	-	0.736
652053: *National Air Intel Center*	-	0.736	-	-	-	-	-	-	-	-	-	0.736
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Note

A. Mission Description and Budget Item Justification

Intelligence Equipment (IE) Program Element (PE) performs the engineering development of software, and/or automated information operations techniques to streamline the processing, integration, exploitation, display, and dissemination of strategic and tactical intelligence information. IE provides continuing development and upgrades of threat analysis capabilities to produce integrated, predictive air and space intelligence to enable military operations, force modernization decisions, and policymaking. IE accelerates and increases the accuracy of threat estimates and system descriptions to deployed operational forces. IE also provides clients with accurate, predictive, relevant, and timely intelligence support client processes, operational planning, and mission execution. IE develops new or upgraded analysis, modeling and simulation tools focused on intelligence production in support of all source AF operational and developmental functions. Each of the development projects within the IE program portfolio transition technologies to the operational communities through the incremental release of upgraded versions over a period of years as the development projects progress towards the final configuration. IE may 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 (AFISRA). Development of new/improved capabilities to meet the requirements is managed by Air Force Research Lab (AFRL)/Analytical Systems Branch (RIED).

Activities also include studies and analysis to support both current program planning and execution and future program planning.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because the program develops and inserts new technologies into existing systems and models in order to keep existing systems current and affordable while ensuring system integration, interoperability, and utility.

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Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604750F *I Intelligence Equipment*	

B. Program Change Summary ($ in Millions)	**FY 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO**	**FY 2015 Total**
Previous President's Budget	0.803	-	-	-	-
Current President's Budget	0.736	-	-	-	-
Total Adjustments	-0.067	-	-	-	-
• Congressional General Reductions	-0.001	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.066	-	-	-	-

Change Summary Explanation

In FY13, -$66K Sequestration reduction.

C. Accomplishments/Planned Programs ($ in Millions)	**FY 2013**	**FY 2014**	**FY 2015**
Title: Electronic Warfare (EW) Flagging *Description:* Continues enhancement of capability to automatically assess and "flag" threat systems that fall outside the detection capability of US DoD airborne self-protection systems (Radar Warning Receivers and Electronic Surveillance Measures). *FY 2013 Accomplishments:* Continued development of final spiral release of EW Flagging capability. *FY 2014 Plans:* N/A	0.358	-	-
Title: Project Theo *Description:* Continues capability to query and retrieve information across all available National Air & Space Intelligence Center (NASIC) Corporate Object Repositories (COR), metadata and their supported features; thereby, assisting the Intel Analyst in identifying intelligence gaps and allowing the analyst to nominate intel collection in those areas. *FY 2013 Accomplishments:* Delivered third spiral release and intiated development of final version (2.0) of Project Theo. *FY 2014 Plans:*	0.020	-	-

Exhibit R-2, **RDT&E Budget Item Justification:** PB 2015 Air Force	**Date:** March 2014
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604750F *I Intelligence Equipment*

C. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
N/A			
Title: High Performance Aero Vehicle Modeler (HP-AVM) *Description:* Continues update of the HP-AVM tool, with a focus on modeling previously unknown airframes, that provides detailed engineering assessments of threat aircraft performance and characteristics. *FY 2013 Accomplishments:* Fielded final version (3) of HP-AVM capability. *FY 2014 Plans:* N/A	0.358	-	-
Accomplishments/Planned Programs Subtotals	0.736	-	-

D. Other Program Funding Summary ($ in Millions)

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• RDTE: BA04: 0603260F: *Intelligence Advanced Development*	3.525	3.983	5.475	-	5.475	5.464	5.552	5.652	5.754	Continuing	Continuing
• RDTE: BA05: 0603260F: *Intelligence Advanced Development*	-	0.977	-	-	-	-	-	-	-	Continuing	Continuing

Remarks

E. Acquisition Strategy

Requirements for new / upgraded intelligence analysis tools are gathered and prioritized by the Air Force Intelligence, Surveillance and Reconnaissance Agency (AFISRA). Development of capabilities to meet those requirements is managed by the 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.

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

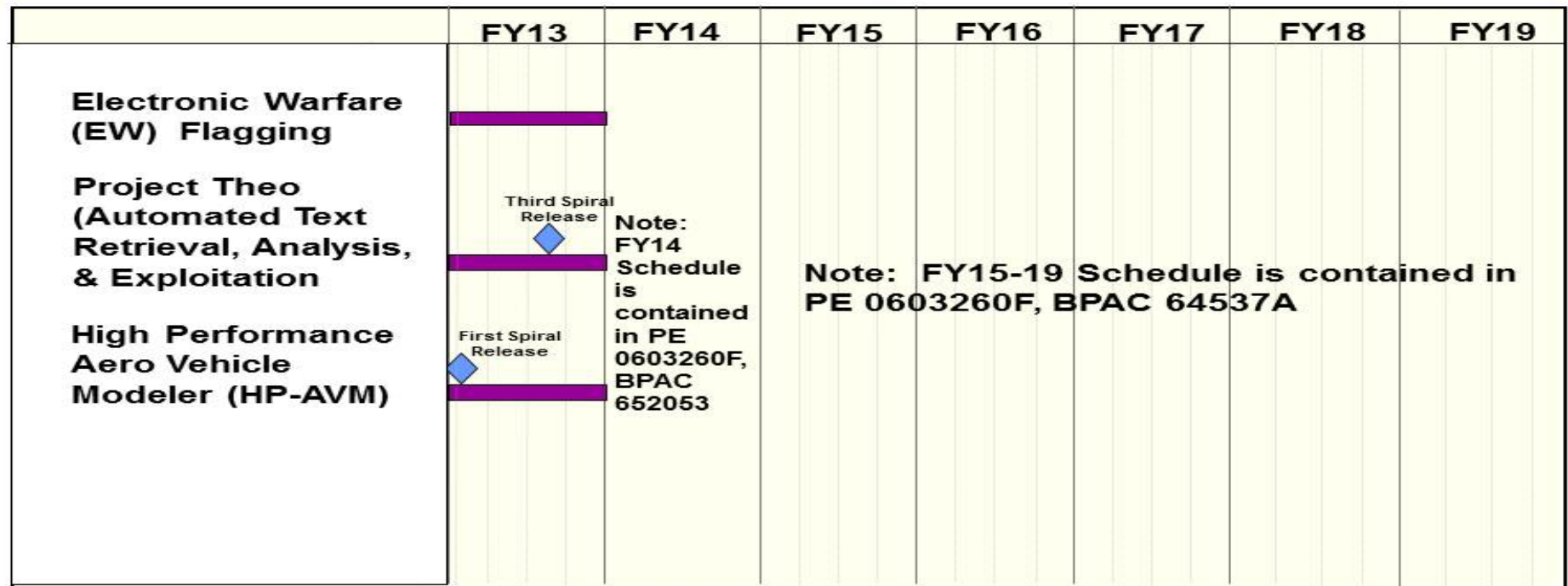| **Exhibit R-4**, RDT&E Schedule Profile: PB 2015 Air Force		**Date:** March 2014
Appropriation/Budget Activity 3600 / 5	**R-1 Program Element (Number/Name)** PE 0604750F / *Intelligence Equipment*	**Project (Number/Name)** 652053 / *National Air Intel Center*

Intelligence Equipment (IE), PE 0604750F Project 652053 Schedule

	FY13	FY14	FY15	FY16	FY17	FY18	FY19

Electronic Warfare (EW) Flagging

Project Theo (Automated Text Retrieval, Analysis, & Exploitation)

High Performance Aero Vehicle Modeler (HP-AVM)

Third Spiral Release

First Spiral Release

Note: FY14 Schedule is contained in PE 0603260F, BPAC 652053

Note: FY15-19 Schedule is contained in PE 0603260F, BPAC 64537A

Legend:
- Design / development / roll out initial tool, or spiral
- ▲ Initiate
- ▲ Complete
- ◆ Key events

FY15 PB R-Docs