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 0603260F *I Intelligence Advanced Development*							
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	-	-	0.977	-	-	-	-	-	-	-	Continuing	Continuing
652053: *National Air Intel Center*	-	-	0.977	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Note

In FY 2015, Project Number 652053, National Air Intelligence Center, efforts transfer to PE 0603260F (BA4), Intelligence Advanced Development (IAD), Project Number 64537A, Intelligence Analysis Capabilities (IAC), in order to properly align efforts, increase management efficiency, and reduce administrative actions.

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 in 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) to 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 (AFISRA). 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 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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B. Program Change Summary ($ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	-	0.977	1.123	-	1.123
Current President's Budget	-	0.977	-	-	-
Total Adjustments	-	-	-1.123	-	-1.123
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-1.123	-	-1.123

Change Summary Explanation

In FY 2015, Project Number 652053, National Air Intelligence Center, efforts transferred to PE 0603260F, Intelligence Advanced Development (IAD), Project Number 64537A, Intelligence Analysis Capabilities (IAC), in order to increase management efficiency, reduce administrative actions, and minimize activity duplication.

C. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Title: 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 2014 Plans:** Continuing development of final spiral release of EW Flagging capability.	-	0.140	-
Title: Project Theo **Description:** Continues development of prototype 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 2014 Plans:** Releasing prototype 1.3 to operational community for evaluation and initiating final combination of Project Theo's components. Releasing Final prototype.	-	0.350	-
Title: High Performance Aero Vehicle Modeler (HP-AVM)	-	0.150	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force	Date: March 2014
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C. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Description: Continues development of the HP-AVM tool, with the focus on modeling previously unknown airframes, that provides detailed engineering assessments of threat aircraft performance and characteristics. *FY 2014 Plans:* Releasing prototype 1.2 and initiating and releasing final prototype of HP-AVM.			
Title: Space, Air, and Terrestrial Modeling & Simulation Initiative *Description:* Initiates SATM&S to add a space communications modeling capability to the previously fielded terrestrial communications focused TEL-SCOPE tool. This effort will complete modeling of an adversary's total C4ISR system and assist nomination of terrestrial and space targets. *FY 2014 Plans:* Initiating development of prototype.	-	0.337	-
Accomplishments/Planned Programs Subtotals	-	0.977	-

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: BA05: 0604750F: *Intelligence Equipment*	0.736	-	-	-	-	-	-	-	-	-	-
• RDTE: BA04: 0603260F: *Intelligence Advanced Development*	-	-	5.475	-	5.475	5.464	5.552	5.652	5.754	Continuing	Continuing

Remarks

In FY 2015, Project Number 652053, National Air Intelligence Center, efforts transferred to PE 0603260F (BA4), Intelligence Advanced Development (IAD), Project Number 64537A, Intelligence Analysis Capabilities (IAC), in order to properly align efforts, increase management efficiency, and reduce administrative actions.

E. Acquisition Strategy

Requirements of new/upgraded intelligence analysis tools are identified and prioritized by the Air Force Intelligence, Surveillance and Reconnaissance Agency (AFISRA). Development of capabilities to meet these 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.

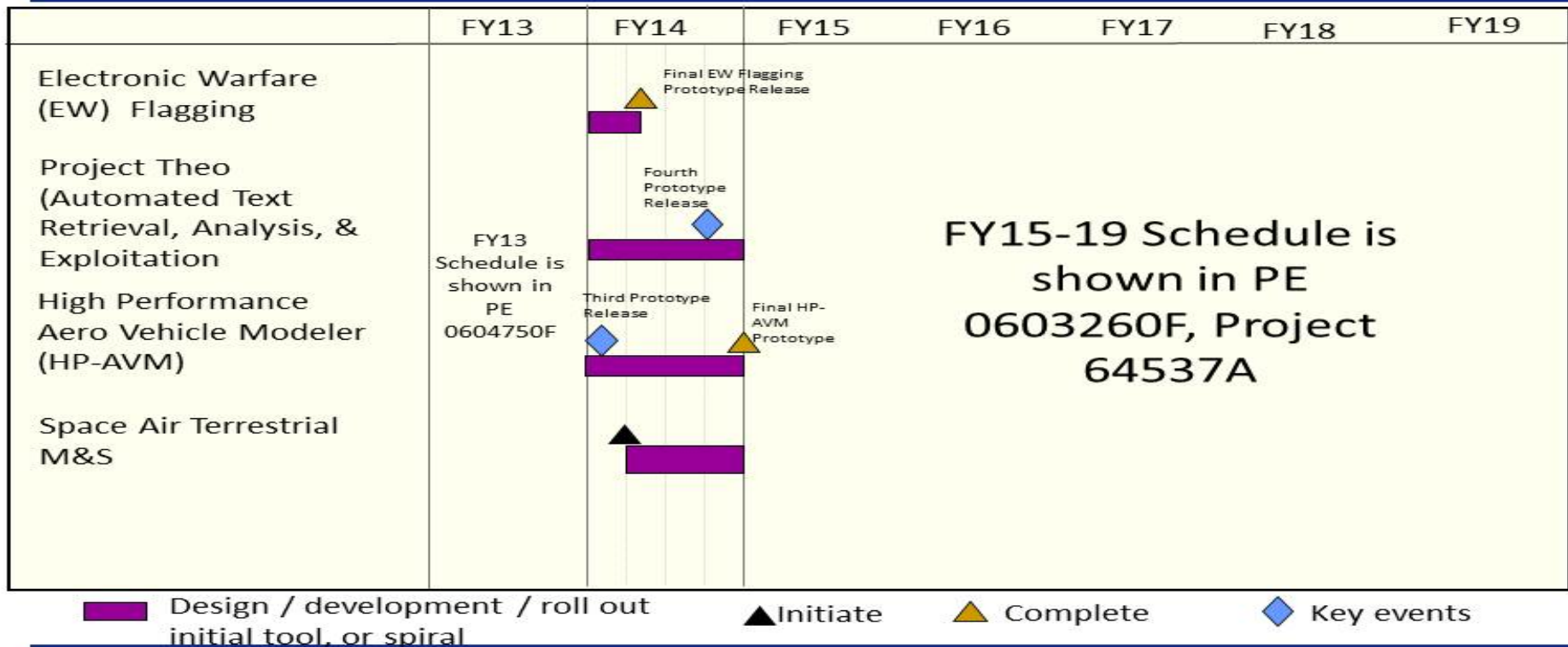| **Exhibit R-4**, **RDT&E Schedule Profile:** PB 2015 Air Force		**Date:** March 2014
Appropriation/Budget Activity 3600 / 5	**R-1 Program Element (Number/Name)** PE 0603260F / Intelligence Advanced Development	**Project (Number/Name)** 652053 / National Air Intel Center

Intelligence Advanced Development (IAD), PE 0603260F Project Number 652053