

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305206N: <i>Airborne Reconnaissance Sys</i>
---	---

COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	49.945	20.000	-	-	-	-	-	-	-	0.000	69.945
9999: <i>Congressional Adds</i>	49.945	20.000	-	-	-	-	-	-	-	0.000	69.945

A. Mission Description and Budget Item Justification

Provides funds for the development of sensor systems to improve present airborne reconnaissance capabilities. These developments are driven by evolving collection requirements and technology advances. The developments allow for the necessary changes required to meet an integrated, objective airborne reconnaissance architecture as defined in the Integrated Airborne Reconnaissance Strategy (IARS) and amplified in the Airborne Reconnaissance Information Technical Architecture. The Advanced Sensors Development Program implements successful proof-of-concept efforts accomplished in the Advanced Technology Program, other Service/ Agency developments, and Congressionally-funded initiatives leading to producible sensor systems for airborne platforms. Upon successful sensor prototype demonstration, technology sensor developments are turned over to the Services for procurement and platform integration. This effort focuses on developments, which support sensor system interoperability and standardization of multi-Service and multi-platform applications. In addition, funds provide for the development/integration and operational assessment of components for the EP-3E and P-3 Special Projects Aircraft and follow-on candidate aircraft.

There are two primary objectives for the Advanced Technology funding: (1) to evaluate the utility and maturity of technology for airborne reconnaissance applications and (2) to reduce the risk of employing emerging technologies in system upgrades, new system acquisitions, or Advanced Concept Technology Demonstrations, by integrating and exercising them in developmental and operational tests. These technologies help satisfy the requirements of the objective architecture set forth in the IARS. These technology investments are also identified in the Airborne Reconnaissance Technology Program Plan, published in November 1994.

Exhibits reflect Congressional Adds currently being executed as follows:

FY11 Congressional Add of \$49.945 is for sensor improvements on the EP-3E with applications for the follow-on Family of System (FoS) sensors and platforms. The funds are responsible for the development, integration and test of FoS Signal Intelligence sensors, data links, data relays, and ground systems for incorporation on the FoS platforms and the development of Tasking, Collection, Processing, Exploitation and Dissemination operations.

FY12 Congressional Add of \$20.000 is for a Central Command (CENTCOM) and Navy resourced Limited Objective Experiment (LOE) for a Joint Combat Validation (JCV) to investigate the potential usefulness/requirement and demonstrate the mission utility (Multi-Intelligence, Intelligence, Surveillance and Reconnaissance, Light Weaponization) and cost effectiveness of a Turbo Prop aircraft to support both General Purpose Forces (GPF) and Special Operations (SPECOPS) in ongoing Operation Enduring Freedom (OEF) combat operations and other Expeditionary roles and missions far from conventional support infrastructure such as large concrete runways and fuel supplies.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy	DATE: February 2012
---	----------------------------

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305206N: <i>Airborne Reconnaissance Sys</i>
---	---

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	49.945	20.000	-	-	-
Total Adjustments	49.945	20.000	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	20.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Congressional General Reductions Adjustments	-0.255	-	-	-	-
• Congressional Add Adjustments	50.200	-	-	-	-

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *Advanced Signal Recognition - Cong*

Congressional Add: *Combat Dragon II Demonstration (Cong)*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

FY 2011	FY 2012
49.945	-
-	20.000
49.945	20.000
49.945	20.000

Change Summary Explanation

Technical: Not applicable.

Schedule: Not Applicable.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0305206N: <i>Airborne Reconnaissance Sys</i>				PROJECT 9999: <i>Congressional Adds</i>			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	49.945	20.000	-	-	-	-	-	-	-	0.000	69.945
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification
Congressional Add

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012
<i>Congressional Add:</i> Advanced Signal Recognition - Cong	49.945	-
<i>FY 2011 Accomplishments:</i> FY11 funded sensor improvements on the EP-3E with applications for the follow-on FoS sensors and platforms. The funds are responsible for the development, integration and test of FoS Signal Intelligence sensors, data links, data relays, and ground systems for incorporation on the FoS platforms and the development of TCPED operations.		
<i>Congressional Add:</i> Combat Dragon II Demonstration (Cong)	-	20.000
<i>FY 2012 Plans:</i> N/A		
Congressional Adds Subtotals	49.945	20.000

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

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• APN/0537: <i>EP-3E Series</i>	85.907	94.481	66.374	13.030	79.404	55.996	29.954	9.385	9.578	24.099	1,277.315
• APN/0567: <i>Special Projects Aircraft</i>	20.695	22.232	12.421	2.714	15.135	12.479	12.621	12.842	11.044	71.727	558.022

D. Acquisition Strategy
Not Required for Congressional Adds

E. Performance Metrics
Not required for Congressional Adds.