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

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305881F: <i>RAPID CYBER ACQUISITION</i>
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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	-	-	4.007	-	4.007	2.218	2.270	2.331	2.362	Continuing	Continuing
670374: <i>Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt</i>	-	-	4.007	-	4.007	2.218	2.270	2.331	2.362	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

In FY 2013, this is a new PE. In FY 2013, 670374, Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt includes new start efforts.

A. Mission Description and Budget Item Justification

Rapid Cyber Acquisition (RCA) provides combatant commanders (CCDRs) with the ability to adequately and rapidly respond to emerging cyber needs that cannot be serviced via the JUON/UON process and cannot wait for the normal DoD acquisition process to address. It provides rapid fielding capability to secure the United States Air Force (USAF) portion of the DoD Global Information Grid (GIG) in response to threat, technology and/or environmental changes. It creates unique cyber capabilities through innovation and integration to provide critical interim cyber capabilities during the long-term acquisition of the next-generation network/cyberspace infrastructure. RCA refines operations by creating synergies and seamless cyber capabilities between independent offensive and defensive cyber efforts. It fields operationally responsive cyber capabilities in mission-relevant timeframes and provides network defense to DoD GIG gateways, USAF base boundaries, and to Command and Control, operations and security centers. It also generates network attack and cyber exploit capabilities in response to time-critical CCDR needs through all phases of warfare.

Rapid Cyber Acquisition is a combination of organizations and processes used to coordinate and manage programs, projects, and activities to deliver cyber capabilities to the 24th Air Force (24 AF) warfighter in mission-relevant timeframes. RCA is the only organization dedicated to addressing the "rapid" tier of the 3-tier agile cyber acquisition and sustainment construct to deliver capability when needed. The other tiers are "foundational acquisition" and "real-time ops and innovation." RCA provides capabilities in support of US national security interests, to counter future cyber threats, and to enhance the nation's ability to operate in cyberspace. It expedites development of USAF and DoD cyber capabilities to provide solution sets for cyberspace operations: attack, defense, exploitation, critical infrastructure support, combat support, command and control, information, and weapon systems. RCA provides integration and technical support to other service and government agency activities to leverage select Air Force developed technologies and/or operational capabilities. RCA will perform hardware and software developmental and non-developmental rapid prototyping, integration, transition, and sustainment support activities as modifications to existing Air Force cyber infrastructure. Primary activities include, but are not limited to: development of software/hardware; integration and transition of cyber capability to warfighter to include operationally fielded capabilities, test and evaluation and program management administration costs; and maintain and sustain cyber capability until either the capability becomes a Program of Record or until its intended purpose has been achieved and the capability is no longer required. Secondary activities include, but are not limited to: studies and analysis, risk reduction. Activities also include studies and analysis to support both current program planning and execution and future program planning.

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This program is in Budget Activity 7, Operational System Development, these budget activities include development efforts to upgrade systems currently fielded or has approval for full rate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	-	4.007	-	4.007
Current President's Budget	-	-	4.007	-	4.007
Total Adjustments	-	-	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-	-	-

Change Summary Explanation

In FY 2013, this is a new PE. In FY 2013, 670374, Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt includes new start efforts.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
Title: Hardware/Software Development	-	-	2.640
Description: Hardware and software developmental activities in support of urgent cyber defensive, offensive, and exploitation requirements.			
FY 2013 Plans: This funding will expedite development of Air Force and DoD cyber capabilities to provide solution sets for cyberspace operations: attack, defense, exploitation, critical infrastructure support, combat support, command and control, information, and weapon systems. Funding will also prototype new capabilities by transitioning a Technology Readiness Level (TRL) 6 or higher capability into a usable product or solution.			
Title: Integration/Test	-	-	0.240
Description: Integration and testing of developed and acquired capabilities.			
FY 2013 Plans:			

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
Funding will provide integration and technical support to other Service and other Government Agency activities that leverage select Air Force developed technologies and/or operational capabilities. Funding will also provide independent operational and technical assessments of cyber capabilities and vulnerabilities. Includes Certification and Accreditation.			
Title: Maintenance and mods	-	-	1.127
Description: Provides maintenance and modifications to cyber capabilities including, but not limited to, existing AF programs of records, COTS/GOTS HW/SW products and systems.			
FY 2013 Plans: Funding will provide sustainment modifications to existing systems or quick fielding of operational capability; will provide acquisition/modification of COTS or non-developmental products and/or services.			
Accomplishments/Planned Programs Subtotals	-	-	4.007

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

Line Item	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
• OPAF, PE 0305881F, Rapid Cyber A...: N/A	0.000	0.000	0.000	0.000	0.000	1.850	1.883	1.917	1.952	Continuing	Continuing

E. Acquisition Strategy

Rapid Cyber Acquisition will utilize Concept, Development, Risk Management, or Production and Deployment Plans as a phased approach to acquisition planning. These plans are intended to meet the written acquisition planning requirements and guidance. All plans will contain sufficient information for the Milestone Decision Authority (MDA) to determine readiness to enter into the applicable phase of the acquisition process. Rapid Cyber Acquisition will look at existing vehicles such as Network Centric Solutions (NETCENTS), NETCENTS 2, Information Technology Enterprise Solutions-2 (ITES-2), Government-Wide Acquisition Contract (GWAC) vehicles (Alliant, Encore II, Solutions for Enterprise-Wide Procurement IV (SEWP IV), etc), General Services Administration (GSA) Federal Supply Schedules, and National Security Agency vehicles. Multiple award vehicles such as National Aeronautics and Space Administration's SEWP IV provide a wide range of commercially available products and services that should be able to meet many IT requirements related to Rapid Cyber Acquisition. These multiple award vehicles have already met the statutory requirements of the Competition in Contracting Act (CICA) and only require that Rapid Cyber Acquisition provide a fair opportunity to all contract holders, in accordance with Federal Acquisition Regulation (FAR) 16.505, unless an exception to fair opportunity applies.

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.

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force		DATE: February 2012
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Studies/Demos/Prototypes	1	2013	4	2017
HW/SW Development	1	2013	4	2017
Integration/Test	1	2013	4	2017
Maintenance and Mods	1	2013	4	2017