

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force	DATE: April 2013
--	-------------------------

APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>					PE 0604421F: <i>Counterspace Systems</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	28.946	28.797	23.930	-	23.930	24.042	24.366	0.000	0.000	Continuing	Continuing
65A001: <i>Counter Satellite Communications System</i>	-	17.882	16.362	16.277	-	16.277	16.275	16.463	0.000	0.000	Continuing	Continuing
65A003: <i>Rapid Identification Detection and Reporting System (RAIDRS)</i>	-	4.150	4.877	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	6.914	7.558	7.653	-	7.653	7.767	7.903	0.000	0.000	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

This program supports the conduct of critical planning, technology and capability insertion, and system acquisition in support of Air Force space control systems and associated command and control development to meet current and future military space control needs. This funding supports the acquisition process including concept development, risk reduction, design, and demonstration. Space control systems include both offensive counterspace (OCS) and defensive counterspace (DCS) systems. OCS systems include the means to disrupt, deny, degrade, or destroy an adversary's space systems, or the information they provide, which may be used for purposes hostile to U.S. national security interests. DCS systems include both active and passive measures to protect U.S. and friendly space related capabilities (satellites, communications links, and supporting ground systems) from enemy attack or interference. This includes development efforts to prevent adversarial ability to use U.S. space systems and services for purposes hostile to U.S. national security interests. Counterspace Command and Control (C2) supports the development of command and control and mission planning capabilities in support of the fielding and employment of counterspace systems. This program is in Budget Activity 5, System Development and Demonstration, because it is conducting demonstration, engineering and manufacturing development tasks aimed at meeting validated counterspace and space control requirements.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force				DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
3600: Research, Development, Test & Evaluation, Air Force		PE 0604421F: Counterspace Systems			
BA 5: System Development & Demonstration (SDD)					
B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	31.578	28.797	23.930	-	23.930
Current President's Budget	28.946	28.797	23.930	-	23.930
Total Adjustments	-2.632	0.000	0.000	-	0.000
• Congressional General Reductions	-	0.000			
• Congressional Directed Reductions	-	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	-	0.000			
• Congressional Directed Transfers	-	0.000			
• Reprogrammings	-0.916	0.000			
• SBIR/STTR Transfer	-1.716	0.000			
• Other Adjustments	0.000	0.000	0.000	-	0.000
Change Summary Explanation					
FY12; -\$1.716M for SBIR					
-\$0.916M for higher priority Department priorities					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems				PROJECT 65A001: Counter Satellite Communications System			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
65A001: Counter Satellite Communications System	-	17.882	16.362	16.277	-	16.277	16.275	16.463	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note												
FY12: -\$1.246M for higher priority Department requirments												
A. Mission Description and Budget Item Justification												
This effort supports concept exploration and follow-on system development of mobile/transportable counter satellite communications capabilities in the area of Offensive Counterspace. Included are: architecture engineering, system hardware design and development, software design and integration, testing and procurement of capabilities to provide disruption of satellite communications signals in response to USSTRATCOM requirements. This program is in Budget Activity 5, System Development and Demonstration, because it is conducting demonstration, engineering and manufacturing development tasks aimed at meeting validated counterspace and space control requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Title: Counter Communications System (CCS) Pre-planned Product Improvement (P3I)										14.309	12.970	12.926
Description: Develop, integrate, test and field the CCS Pre-planned Product Improvement (P3I) program.												
FY 2012 Accomplishments: Completed integration and test of Increment 1 of the CCS P3I (CCS 10.1). Developed the Increment 1 trainer. Began concept activities for the development of Increment 2.												
FY 2013 Plans: Continuing with the CCS P3I. Delivering the Increment 1 Trainer and beginning development of the Increment 2 capability.												
FY 2014 Plans: Continue development, integration and testing of Increment 2 of the Block 10 Pre-planned Product Improvement (P3I) program (CCS 10.2).												
Title: Program Management Administration										3.573	3.392	3.351

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems				PROJECT 65A001: Counter Satellite Communications System				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Description: Provides program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.												
FY 2012 Accomplishments: Provided program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.												
FY 2013 Plans: Providing program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.												
FY 2014 Plans: Provide program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.												
Accomplishments/Planned Programs Subtotals										17.882	16.362	16.277
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• OPAF:BA03:Line Item #836810: Counterspace Systems	14.248	13.506	7.171		7.171	16.953	14.808	0.000	0.000	0.000	70.411	
Remarks												
D. Acquisition Strategy All contracts in this program element will be awarded using competitive procedures to the maximum extent possible, to upgrade existing capabilities as well as to acquire next generation capabilities through incremental acquisitions.												
E. 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.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems						PROJECT 65A001: Counter Satellite Communications System			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Block 10 P3I Development (1)	Various	Harris Corp:Melbourne, FL	-	11.514	Nov 2011	7.915	Nov 2012	9.781	Nov 2013	-		9.781	Continuing	Continuing	TBD
Block 10 P3I Development (2)	Various	Various:El Segundo, CA	-	0.396	Nov 2011	1.136	Nov 2012	0.978	May 2014	-		0.978	Continuing	Continuing	TBD
Block 10 P3I Development (3)	RO	Aerospace Corp:El Segundo, CA	-	0.150	May 2012	1.749	Jan 2013	0.000		-		0.000	0.000	1.899	11.144
Subtotal			0.000	12.060		10.800		10.759		0.000		10.759			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Security	C/CPAF	Mantech:El Segundo, CA	-	2.249	Nov 2011	1.879	Nov 2012	1.873	Nov 2013	-		1.873	Continuing	Continuing	TBD
Miscellaneous Support Services	Various	Various:,	-	0.000		0.141	Nov 2012	0.141	Nov 2013	-		0.141	Continuing	Continuing	TBD
Subtotal			0.000	2.249		2.020		2.014		0.000		2.014			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OT&E	Various	Various:Colorado Springs, CO	-	0.000		0.150	Jan 2013	0.153	Jan 2014	-		0.153	Continuing	Continuing	TBD
Subtotal			0.000	0.000		0.150		0.153		0.000		0.153			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>						R-1 ITEM NOMENCLATURE PE 0604421F: <i>Counterspace Systems</i>				PROJECT 65A001: <i>Counter Satellite Communications System</i>					

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Program Management Administration (PMA)	Various	Space and Missile Systems Center:El Segundo, CA	-	1.996	Nov 2011	2.142	Nov 2012	2.070	Nov 2013	-		2.070	Continuing	Continuing	TBD	
Engineering Support (FFRDC)	RO	Aerospace Corp:El Segundo, CA	-	1.577	Nov 2011	1.250	Nov 2012	1.281	Nov 2013	-		1.281	Continuing	Continuing	TBD	
Subtotal			0.000	3.573		3.392		3.351		0.000		3.351				

	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	17.882		16.362		16.277		0.000		16.277			

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 5: System Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PE 0604421F: Counterspace Systems

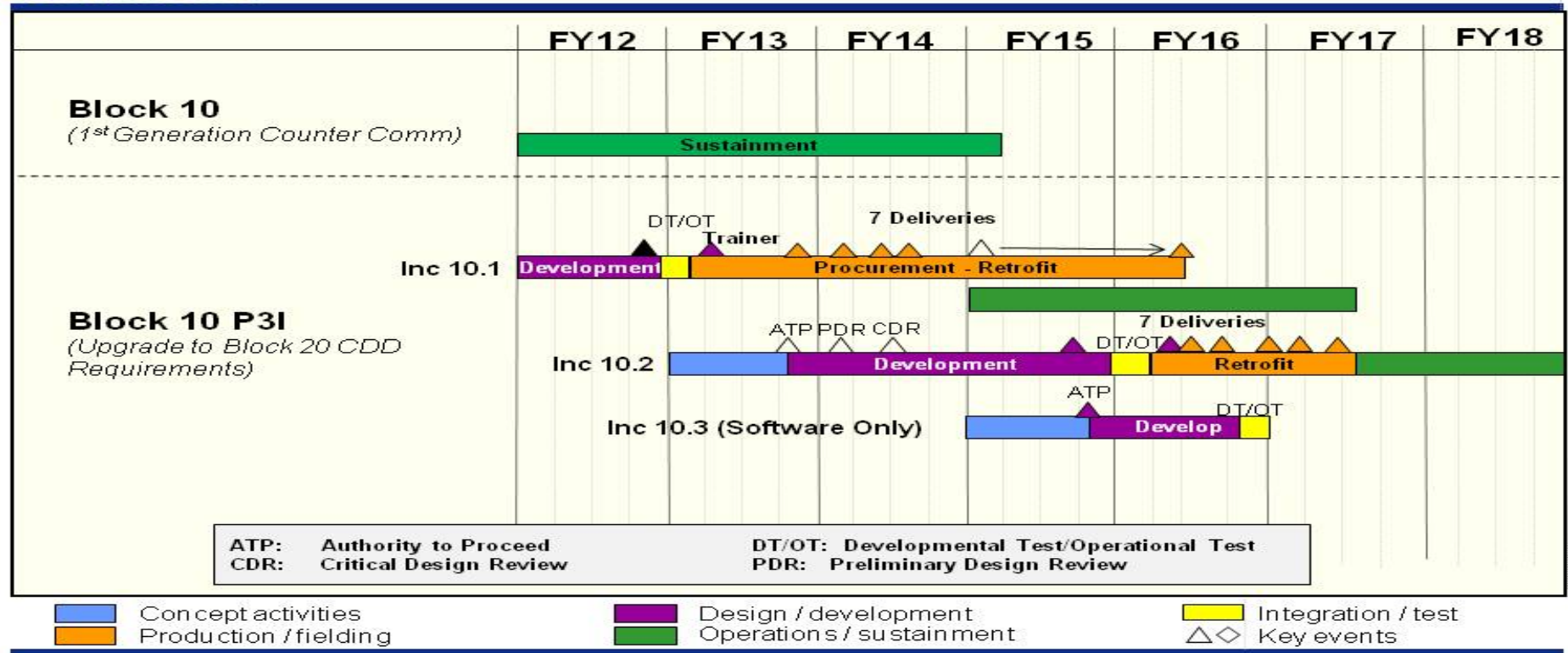
PROJECT

65A001: Counter Satellite Communications System



U.S. AIR FORCE

Counterspace Systems CCS Schedule



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604421F: <i>Counterspace Systems</i>	PROJECT 65A001: <i>Counter Satellite Communications System</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Block 10 P3I Increment 1 Development/Operational Test (DT/OT)	4	2012	1	2013
Block 10 P3I Increment 1 Procurement/Retrofit	1	2013	2	2016
Block 10 P3I Increment 2 Contract Award	4	2013	4	2013
Block 10 P3I Increment 2 Development	4	2013	4	2015
Block 10 P3I Increment 2 DT/OT	1	2016	1	2016
Block 10 P3I Increment 2 Procurement - Retrofit	1	2016	3	2017
Block 10 P3I Increment 3 Contract Award	4	2015	4	2015
Block 10 P3I Increment 3 Development	4	2015	4	2016
Block 10 P3I Increment 3 DT/OT	4	2016	4	2016

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE				PROJECT			
3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					PE 0604421F: Counterspace Systems				65A003: Rapid Identification Detection and Reporting System (RAIDRS)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
65A003: Rapid Identification Detection and Reporting System (RAIDRS)	-	4.150	4.877	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The RAIDRS project performs attack detection, geolocation, reporting, characterization and mission impact assessment for US owned, operated or used space systems. RAIDRS capabilities support the National Security Strategy of the United States. RAIDRS is focused on detecting, characterizing, geolocating and reporting satellite communications (SATCOM) radio frequency interference (RFI) using currently existing Commercial-Off-the-Shelf (COTS) and Government-Off-the-Shelf (GOTS) technology. The event information provided by RAIDRS will allow operators to identify possible interference against space capabilities and enable rapid employment of protective responses. This program is in Budget Activity 5, System Development and Demonstration, because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements in preparation for deployment.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Title: RAIDRS										2.954	3.300	0.000
Description: Develop, integrate, test and field the Rapid Attack Identification Detection and Reporting System (RAIDRS). RAIDRS is a counterspace system designed to identify, characterize and locate interference to SATCOM communications capabilities.												
FY 2012 Accomplishments: Continued acceptance testing and Training system development. Completed Operational Test & Evaluation (OT&E) and began the Full Operational Capability (FOC) Trainer.												
FY 2013 Plans: Complete Full Operational Capability (FOC) trainer acceptance testing.												
Title: Program Management Administration (PMA)										1.196	1.577	0.000
Description: Provides program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.												
FY 2012 Accomplishments:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force							DATE: April 2013				
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604421F: <i>Counterspace Systems</i>			PROJECT 65A003: <i>Rapid Identification Detection and Reporting System (RAIDRS)</i>				

B. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Provided program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel. <i>FY 2013 Plans:</i> Providing program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.						
Accomplishments/Planned Programs Subtotals				4.150	4.877	0.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• OPAF:BA03:Line Item #836810: <i>Counterspace Systems</i>	8.118	6.092	0.000		0.000	0.000	0.000	0.000	0.000	0.000	47.010
Remarks											
D. Acquisition Strategy											
All contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.											
E. 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.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems						PROJECT 65A003: Rapid Identification Detection and Reporting System (RAIDRS)			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
RAIDRS System Development	C/CPAF	Integral Systems Inc:Columbia, MD	-	2.633	Oct 2011	3.198	Oct 2012	0.000		-		0.000	0.000	5.831	96.376
RAIDRS Training System	C/CPFF	Sonalysts:Waterford, CT	-	0.241	Oct 2011	0.029	Nov 2012	0.000		-		0.000	0.000	0.270	7.282
Subtotal			0.000	2.874		3.227		0.000		0.000		0.000	0.000	6.101	103.658
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
RAIDRS Test Support	Various	Various:Various,	-	0.080	Nov 2011	0.073	Oct 2012	0.000		-		0.000	0.000	0.153	0.953
Subtotal			0.000	0.080		0.073		0.000		0.000		0.000	0.000	0.153	0.953
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Admin (PMA)	Various	Space and Missile Center:El Segundo, CA	-	0.964	Oct 2011	1.336	Oct 2012	0.000		-		0.000	0.000	2.300	26.548
Systems Engineering (FFRDC)	RO	Aerospace Corp:El Segundo, CA	-	0.232	Oct 2011	0.241	Oct 2012	0.000		-		0.000	0.000	0.473	12.281
Subtotal			0.000	1.196		1.577		0.000		0.000		0.000	0.000	2.773	38.829

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force											DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems					PROJECT 65A003: Rapid Identification Detection and Reporting System (RAIDRS)			
	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	4.150		4.877		0.000		0.000		0.000	0.000	9.027	143.440

Remarks

UNCLASSIFIED

APPROPRIATION/BUDGET ACTIVITY
3600: *Research, Development, Test & Evaluation, Air Force*
BA 5: *System Development & Demonstration (SDD)*

PROJECT 65A003: <i>Rapid Identification Detection and Reporting System (RAIDRS)</i>



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604421F: <i>Counterspace Systems</i>	PROJECT 65A003: <i>Rapid Identification Detection and Reporting System (RAIDRS)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
RAIDRS IOC	2	2013	2	2013
RAIDRS FOC	4	2013	4	2013
RAIDRS TRAINER DELIVERY	1	2013	1	2013
RAIDRS Operational Test and Evaluation	2	2013	4	2013
RAIDRS Operator Training	1	2012	1	2012
Site #1 Activation	1	2012	2	2012
Site #2 Activation	1	2012	3	2012
Site #3 Activation	1	2012	1	2013
Site #4 Activation	1	2012	4	2013
Site #5 Activation	2	2012	2	2013

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems				PROJECT 65A005: Offensive Counterspace (OCS) C2			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
65A005: Offensive Counterspace (OCS) C2	-	6.914	7.558	7.653	-	7.653	7.767	7.903	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This effort supports the development of command and control and mission planning capabilities in support of the fielding and employment of Counterspace Systems. It provides for the integration and development of collaborative tools to link deployable counterspace systems with Joint Warfighting C2 systems and to enable integrated planning and execution of the counterspace mission. Developed capabilities will be integrated into current and future command and control systems. This program will leverage the Joint Execution and Tasking System for Space (JETSS) effort in the development of C2 for future space control and counterspace mission capabilities. The activity to modify and prepare JETSS technology/capability for transition to JMS is planned to occur during Spiral V. This program is in Budget Activity 5, System Development and Demonstration, because it supports the engineering and manufacturing development of counterspace and space control systems.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Joint Execution and Tasking System for Space (JETSS)									6.039	6.607	6.691	
Description: Develop a Counterspace mission planning and command and control capability to support counterspace systems space control warfighter activities.												
FY 2012 Accomplishments: Completed development of JETSS Spiral 3 Future System Planning, Deployment Planner, Federated Query and Continuity of Operations (COOP) and deployment to the Joint Space Operations Center.												
FY 2013 Plans: Continuing JETSS development with Spiral 4 future system planning development and deployment to the JSPOC. Includes Command & Control Internet Service Provider (C2ISP), Text Chat Upgrade, Rapid Text Input and Thin Client Study.												
FY 2014 Plans: Continue JETSS development with Spiral 5, which includes a tech refresh, integration into Joint Space Operations Center (JSPOC) Missions System (JMS) Service Oriented Architecture (SOA) and future system planning.												
Title: Program Management Administration (PMA)									0.875	0.951	0.962	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force							DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604421F: <i>Counterspace Systems</i>			PROJECT 65A005: <i>Offensive Counterspace (OCS) C2</i>			

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Description: Provides program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel. FY 2012 Accomplishments: Provided program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel. FY 2013 Plans: Provide program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel. FY 2014 Plans: Provides program management support activities such as technical studies & analyses, systems engineering & integration, acquisition planning & milestone preparation, business case analyses, admin support and program office travel.			
Accomplishments/Planned Programs Subtotals	6.914	7.558	7.653

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• None: N/A	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
All contracts will be awarded using competitive procedures to the maximum extent possible to acquire next generation capabilities through incremental acquisitions.											
E. 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.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force						PE 0604421F: Counterspace Systems				65A005: Offensive Counterspace (OCS) C2					
BA 5: System Development & Demonstration (SDD)															
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Develop Counterspace Planning and C2 System (JETSS)	C/CPAF	General Dynamics:Santa Clara, CA	-	5.184	Mar 2012	5.750	Jan 2013	5.835	Dec 2013	-		5.835	Continuing	Continuing	TBD
Counterspace Architecture Development	C/CPFF	Northrup Grumman Mission Systems:Redondo Beach, CA	-	0.781	Dec 2011	0.779	Dec 2012	0.780	Dec 2013	-		0.780	Continuing	Continuing	TBD
Subtotal			0.000	5.965		6.529		6.615		0.000		6.615			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	Various	Various:,	-	0.074	Jul 2012	0.078	Jul 2013	0.076	Jul 2014	-		0.076	Continuing	Continuing	TBD
Subtotal			0.000	0.074		0.078		0.076		0.000		0.076			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management and Professional Support Services (PMA)	Various	Various:,	-	0.875	Dec 2011	0.951	Dec 2012	0.962	Dec 2013	-		0.962	Continuing	Continuing	TBD
Subtotal			0.000	0.875		0.951		0.962		0.000		0.962			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force										DATE: April 2013				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604421F: Counterspace Systems					PROJECT 65A005: Offensive Counterspace (OCS) C2				
	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	0.000	6.914		7.558		7.653		0.000		7.653				

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 5: System Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

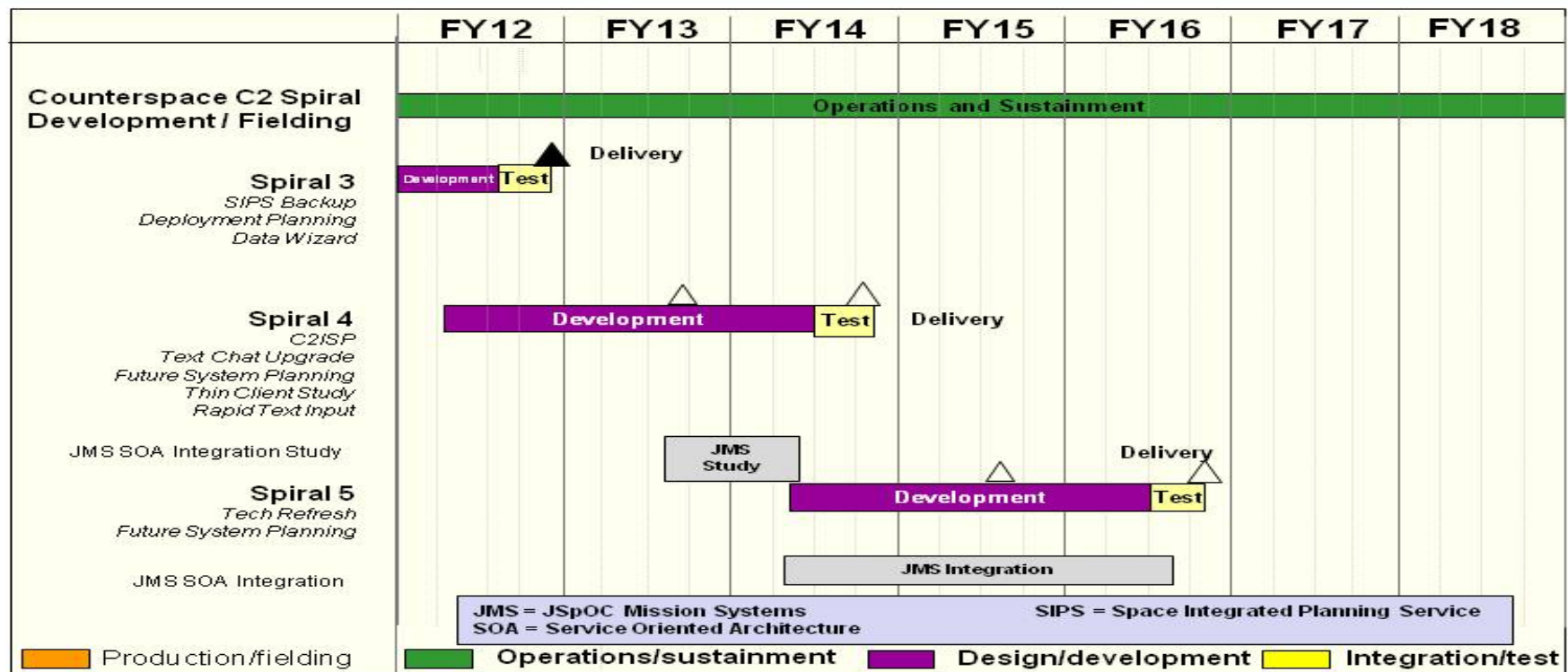
PE 0604421F: Counterspace Systems

PROJECT

65A005: Offensive Counterspace (OCS) C2



Counterspace C2 Schedule



1

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604421F: <i>Counterspace Systems</i>	PROJECT 65A005: <i>Offensive Counterspace (OCS) C2</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
C2 Spiral #3 Test	3	2012	4	2012
C2 Spiral #3 Delivery	4	2012	4	2012
C2 Spiral #4 Development	2	2012	3	2014
C2 Spiral #4 Test	3	2014	4	2014
C2 Spiral #4 Delivery	4	2014	4	2014
JMS SOA Integration Study	3	2013	2	2014
C2 Spiral #5 Development	2	2014	2	2016
C2 Spiral #5 Test	2	2016	4	2016
C2 Spiral #5 Delivery	4	2016	4	2016
JMS SOA Integration	2	2014	2	2016