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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force	Date: March 2014
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0604421F / <i>Counterspace Systems</i>							
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	-	25.775	22.655	23.746	-	23.746	24.087	-	-	-	-	96.263
65A001: <i>Counter Satellite Communications System</i>	-	14.359	15.412	16.074	-	16.074	16.275	-	-	-	-	62.120
65A003: <i>Rapid Identification Detection and Reporting System (RAIDRS)</i>	-	4.875	-	-	-	-	-	-	-	-	-	4.875
65A005: <i>Offensive Counterspace (OCS) C2</i>	-	6.541	7.243	7.672	-	7.672	7.812	-	-	-	-	29.268

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

A. Mission Description and Budget Item Justification

This program conducts critical planning, technology and capability insertion, and system acquisition of Air Force space control systems and associated command and control systems to meet current and future military space control needs in the face of an emerging threat. This funding supports the acquisition process including concept development, risk reduction, design, integration, test, 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) includes command and control and mission planning capabilities required for 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.

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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 0604421F I Counterspace Systems			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	28.797	23.930	24.042	-	24.042
Current President's Budget	25.775	22.655	23.746	-	23.746
Total Adjustments	-3.022	-1.275	-0.296	-	-0.296
• Congressional General Reductions	-0.037	-0.053			
• Congressional Directed Reductions	-1.000	-1.200			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-0.022			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-1.985	-	-0.296	-	-0.296
Change Summary Explanation					
FY13: -\$1.0M Congressional reduction: "Historical excess from Gen Redux"					
-\$1.985M Sequester reduction					
FY14: -\$1.2m Congressional reduction					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A001 / Counter Satellite Communications System			
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
65A001: Counter Satellite Communications System	-	14.359	15.412	16.074	-	16.074	16.275	-	-	-	-	62.120
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
Acquisition Decision Memorandum (24 April 2009) directed all capabilities identified in the October 2006 CCS Block 20, JROC-approved CDD shall be accomplished as P3I upgrades to the CCS Block 10.												
Provides expeditionary, deployable, reversible offensive counterspace effects applicable across the full spectrum of conflict. Prevents adversary SATCOM in AOR including C2, Early Warning and Propaganda. Hosts Rapid Reaction Capabilities in response to Urgent Needs. Included are: architecture engineering, system hardware design and development, software design and integration, testing and demonstration of capabilities to provide disruption of satellite communications signals.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: Counter Communications System (CCS) Pre-planned Product Improvement (P3I) Program									14.359	15.412	16.074	
Description: Develop, integrate, test and field the CCS Pre-planned Product Improvement (P3I) program. This is an incremental approach to deliver Block 20 CCS capabilities.												
FY 2013 Accomplishments: Continued the CCS P3I. Delivered the Increment 1 Trainer and began 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).												
FY 2015 Plans: Continue development, integration and testing of Increment 2 of the Block 10 Pre-planned Product Improvement (P3I) program (CCS 10.2).												
Accomplishments/Planned Programs Subtotals									14.359	15.412	16.074	

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Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A001 / Counter Satellite Communications System			
C. Other Program Funding Summary (\$ in Millions)											
			<u>FY 2015</u>	<u>FY 2015</u>	<u>FY 2015</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Complete</u>	<u>Total Cost</u>
• OPAF:BA03:Line Item #836810: Counterspace Systems	19.192	7.141	61.603	-	61.603	37.202	45.925	46.772	-	-	50.418
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.											

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity
3600 / 5

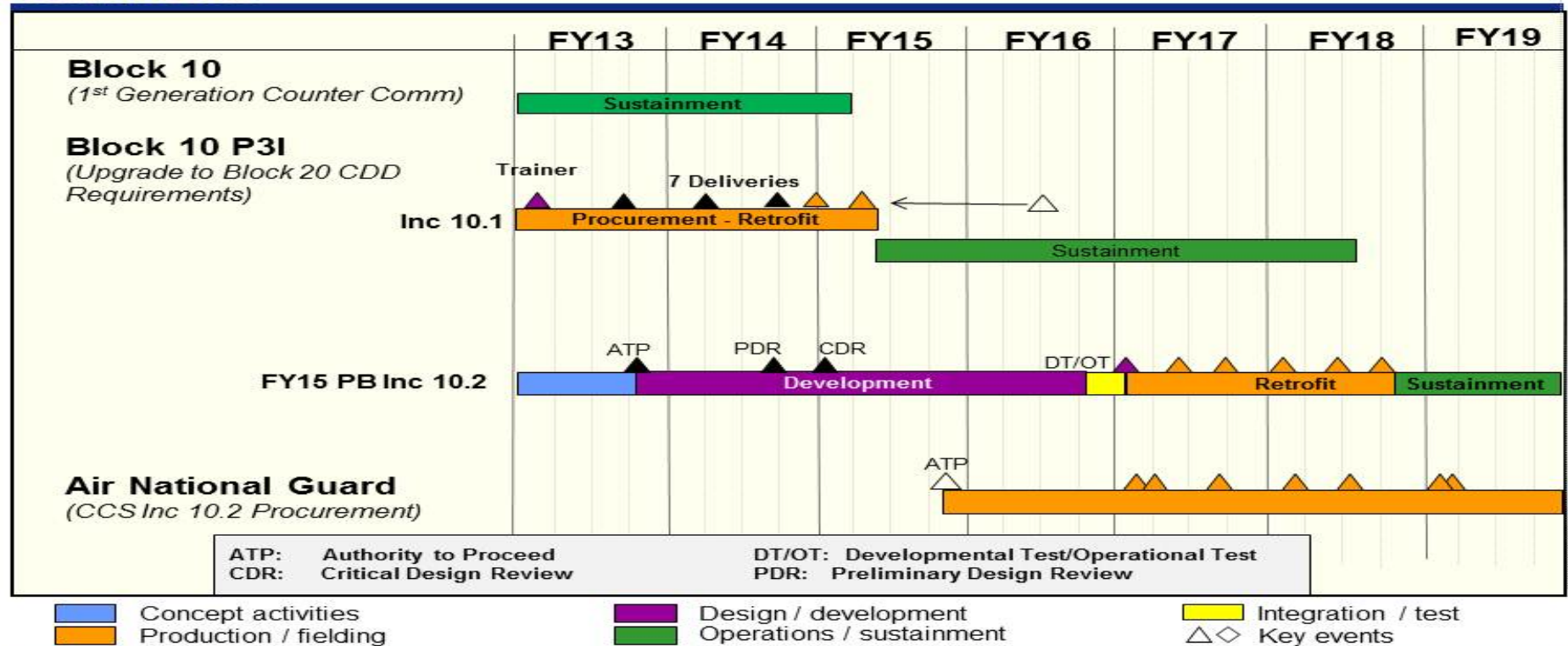
R-1 Program Element (Number/Name)
PE 0604421F / Counterspace Systems

Project (Number/Name)
65A001 / Counter Satellite Communications System



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Counterspace Systems CCS Schedule



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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A003 / Rapid Identification Detection and Reporting System (RAIDRS)			
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
65A003: Rapid Identification Detection and Reporting System (RAIDRS)	-	4.875	-	-	-	-	-	-	-	-	-	4.875
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 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 2013	FY 2014	FY 2015	
Title: RAIDRS									4.875	-	-	
Description: Developed, integrated, tested and fielded 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 2013 Accomplishments: Resolved numerous system deficiencies that allowed the program office to conduct operational testing. IOC planned for late CY 2013.												
FY 2014 Plans: N/A												
FY 2015 Plans: N/A												
Accomplishments/Planned Programs Subtotals									4.875	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A003 / Rapid Identification Detection and Reporting System (RAIDRS)				
C. Other Program Funding Summary (\$ in Millions)												
	<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u> <u>Base</u>	<u>FY 2015</u> <u>OCO</u>	<u>FY 2015</u> <u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
	• OPAF:BA03:Line Item #836810: Counterspace Systems	6.344	-	-	-	-	-	-	-	-	-	6.344
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.												

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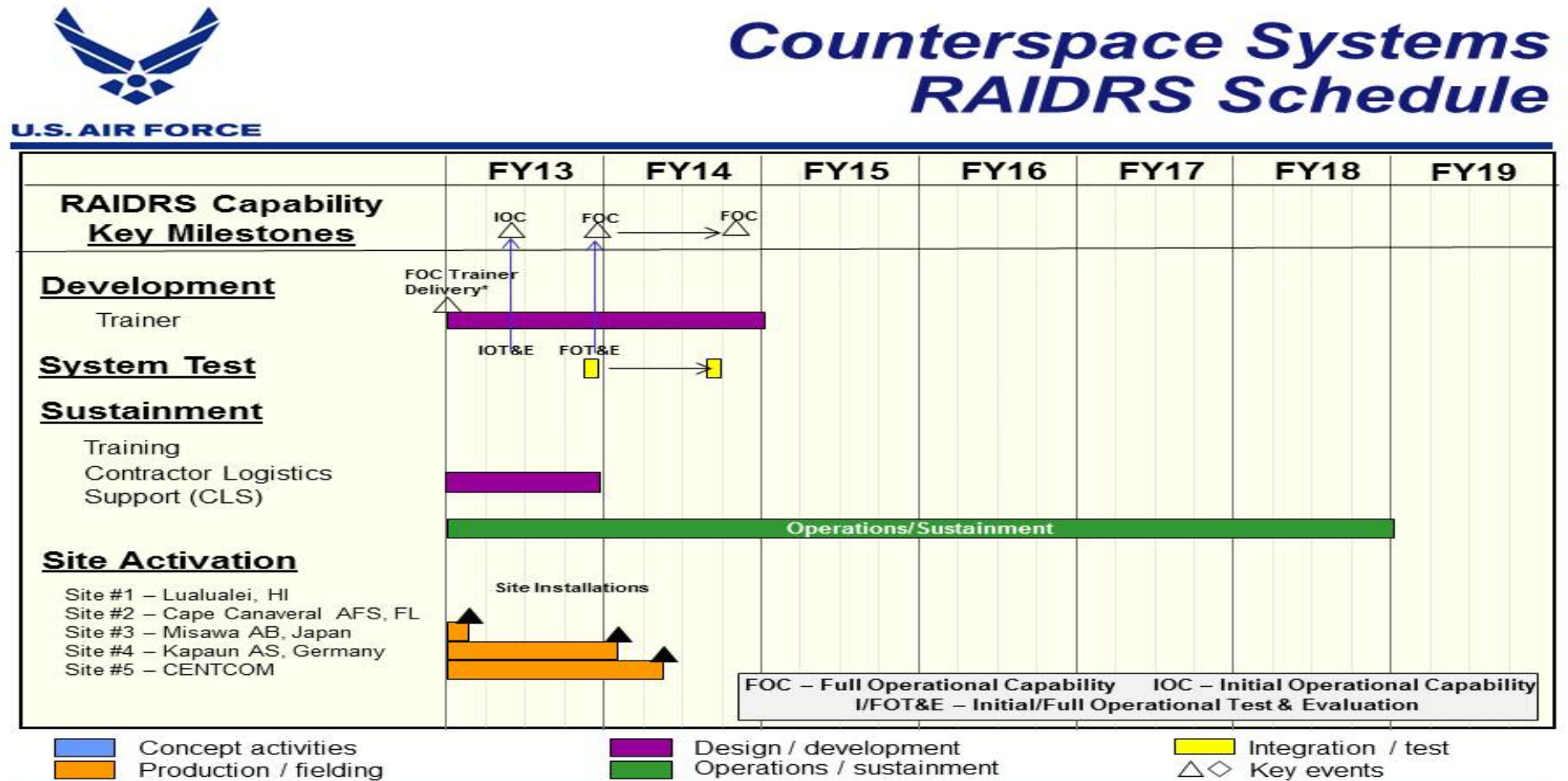
Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity
3600 / 5

R-1 Program Element (Number/Name)
PE 0604421F / Counterspace Systems

Project (Number/Name)
65A003 / Rapid Identification Detection and Reporting System (RAIDRS)



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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems				Project (Number/Name) 65A005 / Offensive Counterspace (OCS) C2			
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
65A005: Offensive Counterspace (OCS) C2	-	6.541	7.243	7.672	-	7.672	7.812	-	-	-	-	29.268
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 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. Requirements for this program are derived from AFSPC prioritized AF IMT 1067 IAW AFSPCI 63-104. The activity to modify and prepare JETSS technology/capability for transition in the JMS program is planned to occur during Spiral 5.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: Joint Execution and Tasking System for Space (JETSS)									6.541	7.243	7.672	
Description: Develop a Counterspace mission planning and command and control capability to support counterspace systems space control warfighter activities.												
FY 2013 Accomplishments: Continued JETSS development with Spiral 4 future system planning development and deployment to the JSPOC. Includes Command & Control Integrated Site Ppicture (C2ISP), Text Chat Upgrade, Rapid Text Input and Thin Client Study.												
FY 2014 Plans: Continuing JETSS development with Spiral 4, which includes an evaluation of the future integration into Joint Space Operations Center (JSPOC) Missions System (JMS) Service Oriented Architecture (SOA) and future system planning.												
FY 2015 Plans: Deliver JETSS development of Spiral 4 and begin development of Spiral 5, which includes integration into Joint Space Operations Center (JSPOC) Mission System (JMS) Service Oriented Architecture (SOA) and future system planning.												
Accomplishments/Planned Programs Subtotals									6.541	7.243	7.672	

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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604421F / Counterspace Systems	Project (Number/Name) 65A005 / Offensive Counterspace (OCS) C2	

C. 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
• None: N/A	-	-	-	-	-	-	-	-	-	-	-

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.

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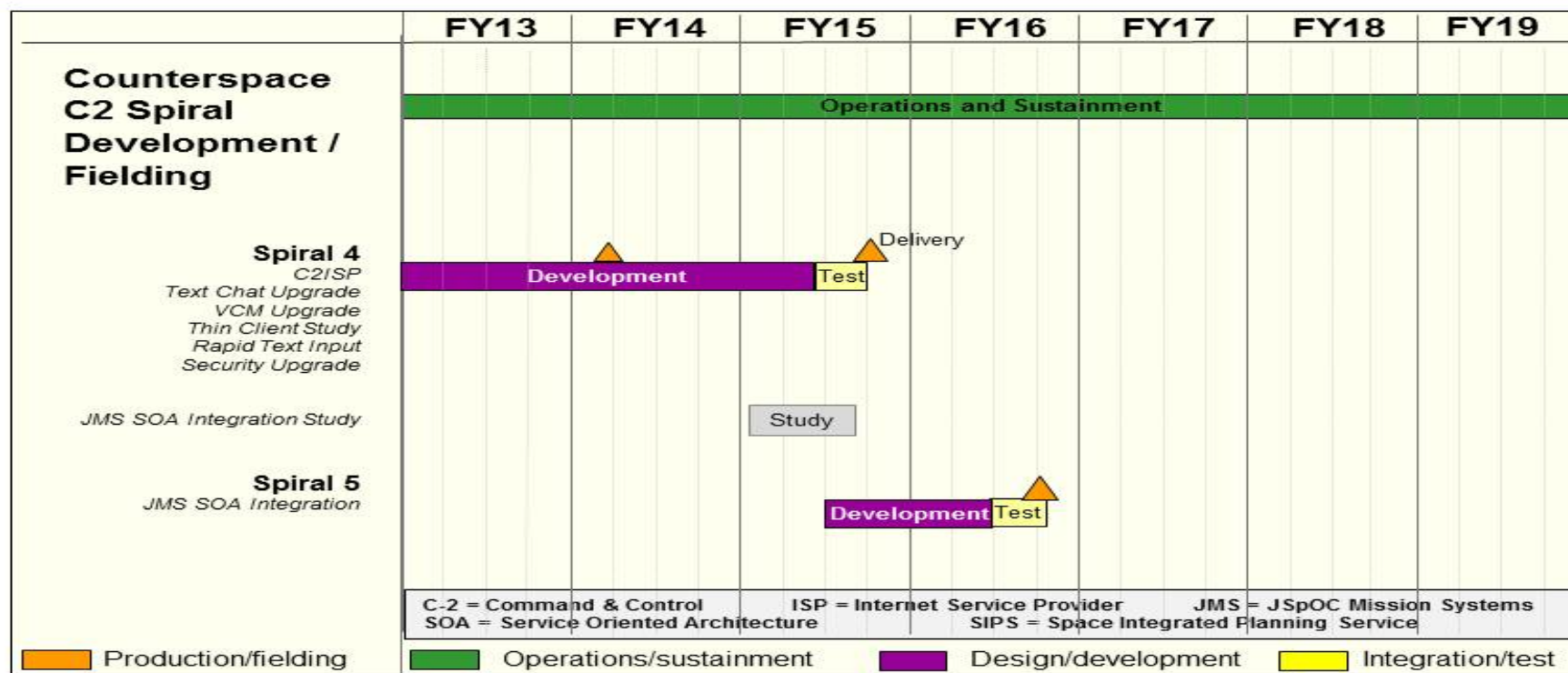
R-1 Program Element (Number/Name)
PE 0604421F / Counterspace Systems

Project (Number/Name) 65A005 / <i>Offensive Counterspace (OCS) C2</i>



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Counterspace Systems C2 Schedule



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