

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force	DATE: February 2011
--	----------------------------

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0301400F: <i>SPACE SUPERIORITY INTELLIGENCE</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	-	10.006	11.866	-	11.866	12.017	12.182	12.355	12.534	Continuing	Continuing
670374: <i>Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt</i>	-	10.006	11.866	-	11.866	12.017	12.182	12.355	12.534	Continuing	Continuing

Note

Beginning in FY11, RDT&E in support of Intel Support to Counterspace is moved to PE 0301400F. Funding and content in Project Number 670374, Electronic Combat Spt, C3 Protection/Multi-Mission Technology and Spt, were transferred from PE 0208021F, Information Warfare Support, to PE 0301400F. In FY11 PB, all of PE 0301400F RDT&E funds were requested to be in BPAC 67A051, Space Superiority -- Advanced Intelligence Systems.

A. Mission Description and Budget Item Justification

Provides Electronic Support (ES) for key find, fix, track, target, engage and assess (F2T2EA) requirements supporting Space Superiority activities. Additionally funding provides for developmental intelligence collection to support new capability acquisition and development. This project funds transportable intelligence collection and analysis capabilities that are modular (plug-and-play), and can keep pace with technological advances and emerging threats. It provides intelligence support systems for Space Situational Awareness activities that provide the requisite current and predictive knowledge of space events and threat conditions and intelligence support to Space Protection Programs by providing architectural survivability analysis of critical mission assets for mission assurance. Additionally, funding supports phased threat system analysis and studies (A&S), test support, lab equipment, and Material Acquisition and Exploitation (MAE) for system development and vulnerability/susceptibility assessments to support tactics, techniques and procedures (TTP) development. Also funded are future threat technology studies necessary for mission area success and achievement of space superiority, helping preserve the US space advantage across all domains. This program is in Budget Activity 7, Operational System Development, because it studies, develops, and fields IO tools.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	-	10.006	11.906	-	11.906
Current President's Budget	-	10.006	11.866	-	11.866
Total Adjustments	-	-	-0.040	-	-0.040
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-0.040	-	-0.040

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0301400F: SPACE SUPERIORITY INTELLIGENCE	
<u>Change Summary Explanation</u> Funding and content transferred from PE 0208021F, Information Warfare Support effective in FY2011.		

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0301400F: SPACE SUPERIORITY INTELLIGENCE				PROJECT 670374: Electronic Combat Spt, C3 Protection/ Multi-Mission, Technology and Spt			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
670374: Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	-	10.006	11.866	-	11.866	12.017	12.182	12.355	12.534	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

Beginning in FY11, RDT&E in support of Intel Support to Counterspace is moved to PE 0301400F. Funding and content in Project Number 670374, Electronic Combat Spt, C3 Protection/Multi-Mission Technology and Spt, were transferred from PE 0208021F, Information Warfare Support, to PE 0301400F. In FY11 PB, all of PE 0301400F RDT&E funds were requested to be in BPAC 67A051, Space Superiority -- Advanced Intelligence Systems.

A. Mission Description and Budget Item Justification

Provides Electronic Support (ES) for key find, fix, track, target, engage and assess (F2T2EA) requirements supporting Space Superiority activities. Additionally funding provides for developmental intelligence collection to support new capability acquisition and development. This project funds transportable intelligence collection and analysis capabilities that are modular (plug-and-play), and can keep pace with technological advances and emerging threats. It provides intelligence support systems for Space Situational Awareness activities that provide the requisite current and predictive knowledge of space events and threat conditions and intelligence support to Space Protection Programs by providing architectural survivability analysis of critical mission assets for mission assurance. Additionally, funding supports phased threat system analysis and studies (A&S), test support, lab equipment, and Material Acquisition and Exploitation (MAE) for system development and vulnerability/ susceptibility assessments to support tactics, techniques and procedures (TTP) development. Also funded are future threat technology studies necessary for mission area success and achievement of space superiority, helping preserve the US space advantage across all domains.

This program is in Budget Activity 7, Operational System Development, because it studies, develops, and fields IO tools.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Develop transportable collection and analysis capability	-	10.006	11.866	-	11.866
Description: Developing transportable intelligence collection and analysis capabilities that are modular (plug-and-play), and can keep pace with technological advances and emerging threats.					
FY 2010 Accomplishments: Not Applicable					
FY 2011 Plans:					

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force							DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0301400F: <i>SPACE SUPERIORITY INTELLIGENCE</i>			PROJECT 670374: <i>Electronic Combat Spt, C3 Protection/ Multi-Mission, Technology and Spt</i>					
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Providing Space Superiority and Space Control R&D intelligence support; architecture upgrade support to Space Situation Awareness, Space Protection Program & Space Superiority; data analysis and product development for R&D deployment activities; support for testing and data collection. <i>FY 2012 Base Plans:</i> Continue Space Superiority and Space Control R&D intelligence support; architecture upgrade support to Space Situation Awareness, Space Protection Program & Space Superiority; data analysis and product development for R&D deployment activities; support for testing and data collection. <i>FY 2012 OCO Plans:</i>											
Accomplishments/Planned Programs Subtotals							-	10.006	11.866	-	11.866
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 Base</u>	<u>FY 2012 OCO</u>	<u>FY 2012 Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDT&E AF: <i>PE 0208021F, Info Warfare Spt, BA07</i>	9.989	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
• OMAF: <i>PE 0301400F</i>	20.930	10.000	7.430	0.000	7.430	7.184	7.303	7.353	7.513	Continuing	Continuing
D. Acquisition Strategy											
All contracts funded in this program 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

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT						
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				PE 0301400F: SPACE SUPERIORITY INTELLIGENCE				670374: Electronic Combat Spt, C3 Protection/ Multi-Mission, Technology and Spt						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Space Superiority and R&D intelligence Support	Various	Various:,	-	2.505	Nov 2010	2.977	Nov 2011	-		2.977	Continuing	Continuing	TBD	
Architecture upgrade support to SSA, SPP, and Space Superiority	Various	Various:,	-	1.601	Nov 2010	1.905	Nov 2011	-		1.905	Continuing	Continuing	TBD	
Data analysis and product development for R&D	Various	Various:,	-	5.400	Nov 2010	6.389	Nov 2011	-		6.389	Continuing	Continuing	TBD	
Deployment support for testing and data collection	Various	Various:,	-	0.500	Nov 2010	0.595	Nov 2011	-		0.595	Continuing	Continuing	TBD	
Subtotal			-	10.006		11.866		-		11.866				
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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	
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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	
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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	

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force								DATE: February 2011						
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0301400F: SPACE SUPERIORITY INTELLIGENCE				PROJECT 670374: Electronic Combat Spt, C3 Protection/ Multi-Mission, Technology and Spt						
				Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals				-	10.006		11.866		-		11.866			

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0301400F: <i>SPACE SUPERIORITY INTELLIGENCE</i>	PROJECT 670374: <i>Electronic Combat Spt, C3 Protection/ Multi-Mission, Technology and Spt</i>

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0301400F: <i>SPACE SUPERIORITY INTELLIGENCE</i>	PROJECT 670374: <i>Electronic Combat Spt, C3 Protection/ Multi-Mission, Technology and Spt</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Space Superiority R&D intelligence support	1	2011	4	2016
Architecture upgrade supporting SSA, SPP, and Space Superiority	1	2011	4	2016
-- Phase 1	1	2011	3	2013
-- Phase 2	1	2011	3	2013
Data analysis and product development for R&D intelligence support	1	2011	4	2016
Deployment support for testing and data collection	1	2011	4	2016

UNCLASSIFIED