

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0301400F I Space Superiority Intelligence							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	10.697	10.697	13.815	-	13.815	14.019	14.237	14.482	14.714	Continuing	Continuing
67A051: Space Superiority - Advanced Intelligence Systems	-	10.697	10.697	13.815	-	13.815	14.019	14.237	14.482	14.714	Continuing	Continuing

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 program element 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 analyses 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 includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	10.697	12.218	12.407	-	12.407
Current President's Budget	10.697	10.697	13.815	-	13.815
Total Adjustments	-	-1.521	1.408	-	1.408
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-1.521			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	1.408	-	1.408

Change Summary Explanation

FY15: -\$1.521M for Congressional Directed Reduction

FY16: +\$1.408M for additional intel support

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0301400F / Space Superiority Intelligence				Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
67A051: Space Superiority - Advanced Intelligence Systems	-	10.697	10.697	13.815	-	13.815	14.019	14.237	14.482	14.714	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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. Funds developmental intelligence collection to support new capability acquisition and development. This project also 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. It also 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 and future threat technology studies necessary for mission area success and achievement of space superiority, and to preserve the US space advantage across all domains. This program is in Budget Activity 7, Operational System Development, because it includes development efforts to upgrade systems that have been fielded.

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

	FY 2014	FY 2015	FY 2016
Title: Advanced Intelligence Systems for Space Superiority	10.697	10.697	13.815
Description: Develops transportable and fixed collection and analysis capability.			
FY 2014 Accomplishments: Supported Space Superiority and Space Control R&D intelligence; architecture upgrade support to Space Situation Awareness, Space Protection Program & Space Superiority; data analysis and product development for R&D deployment activities; and support for testing and data collection.			
FY 2015 Plans: Continues 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; and support for testing and data collection.			
FY 2016 Plans:			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 0301400F / Space Superiority Intelligence				Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2014	FY 2015	FY 2016
Will support Space Superiority RDT&E activities by developing, integrating, and fielding enhanced Space Control, Space Situational Awareness, and Space Protection Program capabilities. Will integrate new technologies into transportable and fixed collection capabilities to improve data analysis, product development, deployment and testing activity support.												
Accomplishments/Planned Programs Subtotals										10.697	10.697	13.815
C. Other Program Funding Summary (\$ in Millions)												
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To Complete</u>	<u>Total Cost</u>	
• None: None	-	-	-	-	-	-	-	-	-	-	-	
Remarks												
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

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0301400F / <i>Space Superiority Intelligence</i>						Project (Number/Name) 67A051 / <i>Space Superiority - Advanced Intelligence Systems</i>			
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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 Development	Various	Various : ,	-	2.258	Nov 2013	2.457	Nov 2014	3.205	Nov 2015	-		3.205	Continuing	Continuing	TBD
Architecture upgrades to SSA, SPP, and Space Superiority	Various	Various : ,	-	3.080	Nov 2013	3.602	Oct 2014	4.802	Nov 2015	-		4.802	Continuing	Continuing	TBD
Data analysis and product development for R&D	Various	Various : ,	-	4.265	Nov 2013	3.676	Oct 2014	4.550	Nov 2015	-		4.550	Continuing	Continuing	TBD
Intelligence systems testing and data collection	Various	Various : ,	-	0.647	Nov 2013	0.460	Nov 2014	0.460	Nov 2015	-		0.460	Continuing	Continuing	TBD
Subtotal			-	10.250		10.195		13.017		-		13.017	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : ,	-	0.447	Nov 2013	0.502	Oct 2015	0.798		-		0.798	Continuing	Continuing	TBD
Subtotal			-	0.447		0.502		0.798		-		0.798	-	-	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force										Date: February 2015			
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0301400F / <i>Space Superiority Intelligence</i>					Project (Number/Name) 67A051 / <i>Space Superiority - Advanced Intelligence Systems</i>			
		Prior Years	FY 2014	FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		-	10.697		10.697		13.815		-	13.815	-	-	-
Remarks													

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0301400F / <i>Space Superiority Intelligence</i>			Project (Number/Name) 67A051 / <i>Space Superiority - Advanced Intelligence Systems</i>

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Architecture upgrade for SSA, SPP, and Space Superiority																												
-- Phase 1																												
-- Phase 2																												
Data analysis and product development for R&D intelligence																												
Deployment for testing and data collection																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0301400F / <i>Space Superiority Intelligence</i>	Project (Number/Name) 67A051 / <i>Space Superiority - Advanced Intelligence Systems</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Architecture upgrade for SSA, SPP, and Space Superiority	1	2014	4	2018
-- Phase 1	1	2014	4	2014
-- Phase 2	1	2014	4	2015
Data analysis and product development for R&D intelligence	1	2014	4	2018
Deployment for testing and data collection	1	2014	4	2018