

## UNCLASSIFIED

## RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

07 - Operational System Development

PE NUMBER AND TITLE

0305917F Space Architect

PROJECT

4746

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
4746 National Security Space Architect	0	0	12,589	12,941	12,843	13,065	13,834	13,890	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

Note 1: In FY2004, Project #4746, National Security Space Architect, efforts were transferred from PE 0305917D8Z, National Security Space Architect.

(U) **A. Mission Description**

The National Security Space Architect (NSSA) is an independent joint Department of Defense (DoD) and Intelligence Community (IC) organization chartered by Memorandum of Agreement between the Secretary of Defense and the Director of Central Intelligence. The NSSA is responsible for developing and integrating future space architectures and capabilities for the mid- and long-term across the entire range of national security (DoD, IC, and civil agencies) space and space-related missions in response to validated and emerging needs, and expanding technology opportunities. Specifically, the NSSA develops architectures and strategic plans across the national security space enterprise in a collaborative manner with representatives of all affected organizations, spanning the missions and functions of military, intelligence, civil and commercial space sectors. In January 2001, the Commission to Assess United States National Security Space Management and Organization (the Space Commission) endorsed the NSSA and recommended expanding its roles and responsibilities. As a result, the NSSA was realigned to report to the Under Secretary of the Air Force and the Director of the National Reconnaissance Office (USecAF/DNRO). NSSA's expanded roles and responsibilities include conducting an annual assessment of the consistency of defense and intelligence space programs with national security space policy, planning guidance, and architectural decisions; supporting development of the National Security Space Plan by the USecAF/DNRO; and assisting the USecAF/DNRO with assessments of trades between space and non-space solutions to meet user requirements, as well as appropriate integration of space with land, sea, and air components. There is no other organization in the DoD, the IC, or the civil sector that performs these functions. The NSSA obtains direct support from various space planning and development organizations across the federal government and industry for space architecture planning and development. Funding in this document incorporates DoD requirements only and represents approximately seventy percent of the total funding required. Intelligence Community requirements and funding to support the NSSA efforts are not included in this program element.

(U) **FY 2002 (\$ in Thousands)**

(U) \$0 The DoD portion of NSSA funding was contained in PE 0605116D8Z, Support to C3I, in FY 2002.

(U) \$0 Total

(U) **FY 2003 (\$ in Thousands)**

(U) \$0 The DoD portion of NSSA funding was contained in PE 0305917D8Z, National Security Space Architect

(U) \$0 Total

Project 4746

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Exhibit R-2 (PE 0305917F)

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February 2003

BUDGET ACTIVITY

**07 - Operational System Development**

PE NUMBER AND TITLE

**0305917F Space Architect**

PROJECT

**4746**(U) **A. Mission Description Continued**(U) FY 2004 (\$ in Thousands)

(U) \$0 No Activity

(U) \$8,057 Architectural Development Effort or Study to include such topics as: Responsive Space Operations; Space Protection; Objective Blue Force Tracking; Integrated Force Application; and Space Control and Information Operations

(U) \$500 National Security Space (NSS) Plan Development

(U) \$3,032 NSS Program Assessment

(U) \$1,000 Architecture Transition Planning and Implementation Support

(U) \$12,589 Total

(U) **B. Budget Activity Justification**

This program is in Budget Activity 7 because the architecture studies affect the design and acquisition of operational systems.

(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U) Previous President's Budget	0	0	0	TBD
(U) Appropriated Value				
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions				
b. Small Business Innovative Research				
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram				
e. Rescissions				
(U) Adjustments to Budget Years Since FY 2003 PBR			12,589	
(U) Current Budget Submit/FY 2004 PBR			12,589	TBD

(U) **Significant Program Changes:**

In FY2004, Project #4746, National Security Space Architect, efforts were transferred from PE 0305917D8Z, National Security Space Architect.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)										DATE <b>February 2003</b>	
BUDGET ACTIVITY <b>07 - Operational System Development</b>					PE NUMBER AND TITLE <b>0305917F Space Architect</b>					PROJECT <b>4746</b>	
<b>(U) D. Other Program Funding Summary (\$ in Thousands)</b>											
	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>	
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>		
<b>(U) Intelligence Community*</b> *Available in the Intelligence Community budget.											
<b>(U) E. Acquisition Strategy</b> RDT&E funds will be used to obtain direct and infrastructure support from various space planning and development organizations across the DoD and industry, including Federally Funded Research & Development Centers (FFRDCs) and contracted System Engineering and Technical Assistance in direct support of DoD space architecture planning and development. Funds will be applied to existing contract vehicles.											
<b>(U) F. Schedule Profile</b>											
		<u>FY 2002</u>					<u>FY 2003</u>			<u>FY 2004</u>	
	1	2	3	4	1	2	3	4	1	2	3
(U) Compl support to Integrated Intell, Surveil & Reconn Arch Dev Effort										X	
(U) Compl support to Space Situational Awareness Architecture Dev Effort										X	
(U) Initiate Architectural Development Study									X		
(U) Compl FY 05 NSS Program Assessment									X		
(U) Initiate FY 06 NSS Program Assessment											X
(U) Incorporate the integrated space technology roadmap into the NSS Plan									X		
X = Planned Event											

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 2003	
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
<b>07 - Operational System Development</b>					<b>0305917F Space Architect</b>					<b>4746</b>	
(U) <b><u>A. Project Cost Breakdown (\$ in Thousands)</u></b>											
					<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		
(U) Architectural Development Effort or Study									8,057		
(U) National Security Space (NSS) Plan Development									500		
(U) NSS Program Assessment									3,032		
(U) Architecture Transition Planning and Implementation Support									1,000		
(U) Total									12,589		
(U) <b><u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u></b>											
(U) <b><u>Performing Organizations:</u></b>											
<u>Contractor or</u>		<u>Contract</u>									
<u>Government</u>		<u>Method/Type</u>		<u>Award or</u>		<u>Performing</u>		<u>Project</u>			
<u>Performing</u>		<u>or Funding</u>		<u>Obligation</u>		<u>Activity</u>		<u>Office</u>		<u>Total Prior</u>	
<u>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>		<u>to FY 2002</u>	
Science Applications		FFRDC &		Various		Continuing		Continuing			
International Corp; Computer		SETA Level of								12,589	
Science Corp; SPARTA, Inc; Effort										Continuing	
AEGIS Research Corp;										TBD	
Aerospace Corp; MITRE											
<u>Product Development Organizations</u>											
None											
<u>Support and Management Organizations</u>											
None											
<u>Test and Evaluation Organizations</u>											
None											
(U) <b><u>Government Furnished Property:</u></b>											
		<u>Contract</u>									
		<u>Method/Type</u>		<u>Award or</u>							
<u>Item</u>		<u>or Funding</u>		<u>Obligation</u>		<u>Delivery</u>		<u>Total Prior</u>		<u>Budget</u>	
<u>Description</u>		<u>Vehicle</u>		<u>Date</u>		<u>Date</u>		<u>to FY 2002</u>		<u>FY 2002</u>	
								<u>FY 2003</u>		<u>Budget</u>	
								<u>FY 2004</u>		<u>Budget to</u>	
								<u>Complete</u>		<u>Total</u>	
								<u>Program</u>			
Project 4746											

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2003			
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT		
07 - Operational System Development				0305917F Space Architect				4746		
(U) <u>Government Furnished Property Continued:</u>										
	<u>Contract</u>									
	<u>Method/Type</u>	<u>Award or</u>								
<u>Item</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Delivery</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>	
<u>Description</u>	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>	<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>	
<u>Product Development Property</u>										
None										
<u>Support and Management Property</u>										
None										
<u>Test and Evaluation Property</u>										
None										
				<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>	
<u>Subtotals</u>				<u>to FY 2002</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Complete</u>	<u>Program</u>	
Space Architect							12,589	TBD	TBD	
Subtotal Product Development										
Subtotal Support and Management										
Subtotal Test and Evaluation										
Total Project							12,589	TBD	TBD	

Project 4746

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