

UNCLASSIFIED

Exhibit R-2a, RDT&E Project Justification

DATE

February 2006

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305174F SPACE WARFARE CENTER

PROJECT NUMBER AND TITLE

A011 Space Analysis and Application Development

Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
A011 Space Analysis and Application Development	0.397	0.405	0.726	2.002	3.626	3.686	3.726	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

Located at Schriever Air Force Base, Colorado, the Space Warfare Center develops, evaluates, and tests space application and utility concepts, new technologies, and tactics. Its innovation, education, and training activities foster solutions to operational deficiencies and enhance the integration of space systems into Air Force operations, thereby enabling service and joint warfighters to realize the full potential of existing and planned space capabilities.

The Space Analysis and Application Development project develops and modifies modeling and simulation tools that Air Force Space Command's Space Analysis Center uses for operations research, military utility analyses, tradeoff studies, and other evaluations of space mission areas to guide planning, programming, requirements generation, analyses of alternatives, and other activities. Development activities incorporate changes in fielded and projected space operational capabilities, as well as technical improvements, into the group's software tools to ensure their data and technology remain current.

This effort is in Budget Activity 7, Operational System Development, because it develops and modifies software models for fielded analysis systems.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Continue model modification	0.189	0.194	0.347
(U) Continue verification of model changes	0.088	0.087	0.152
(U) Continue validation of results	0.120	0.124	0.227
(U) Total Cost	0.397	0.405	0.726

(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2005</u> <u>Actual</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) Other Procurement, Air Force (Weapon System Code 832070, Intelligence Communications Equipment)*	0.523	0.521	0.539	0.547	0.555	0.563	0.572	Continuing	TBD

*Additional SWC Other Procurement, Air Force funding (not shown) supports efforts unrelated to Space Analysis Center development activities

(U) **D. Acquisition Strategy**

This effort was awarded under a cost plus award fee contract.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2005 Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) <u>Product Development</u> Develop/modify software tools and models	C/CPAF	Sparta Corp., Colorado Springs, CO	0.377	0.397	Apr-05	0.405	Apr-06	0.726	Apr-07	Continuing	TBD	
Subtotal Product Development			0.377	0.397		0.405		0.726		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u> Not applicable											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test & Evaluation</u> Not applicable											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u> Not applicable											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.377	0.397		0.405		0.726		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE _____

February 2006

BUDGET ACTIVITY

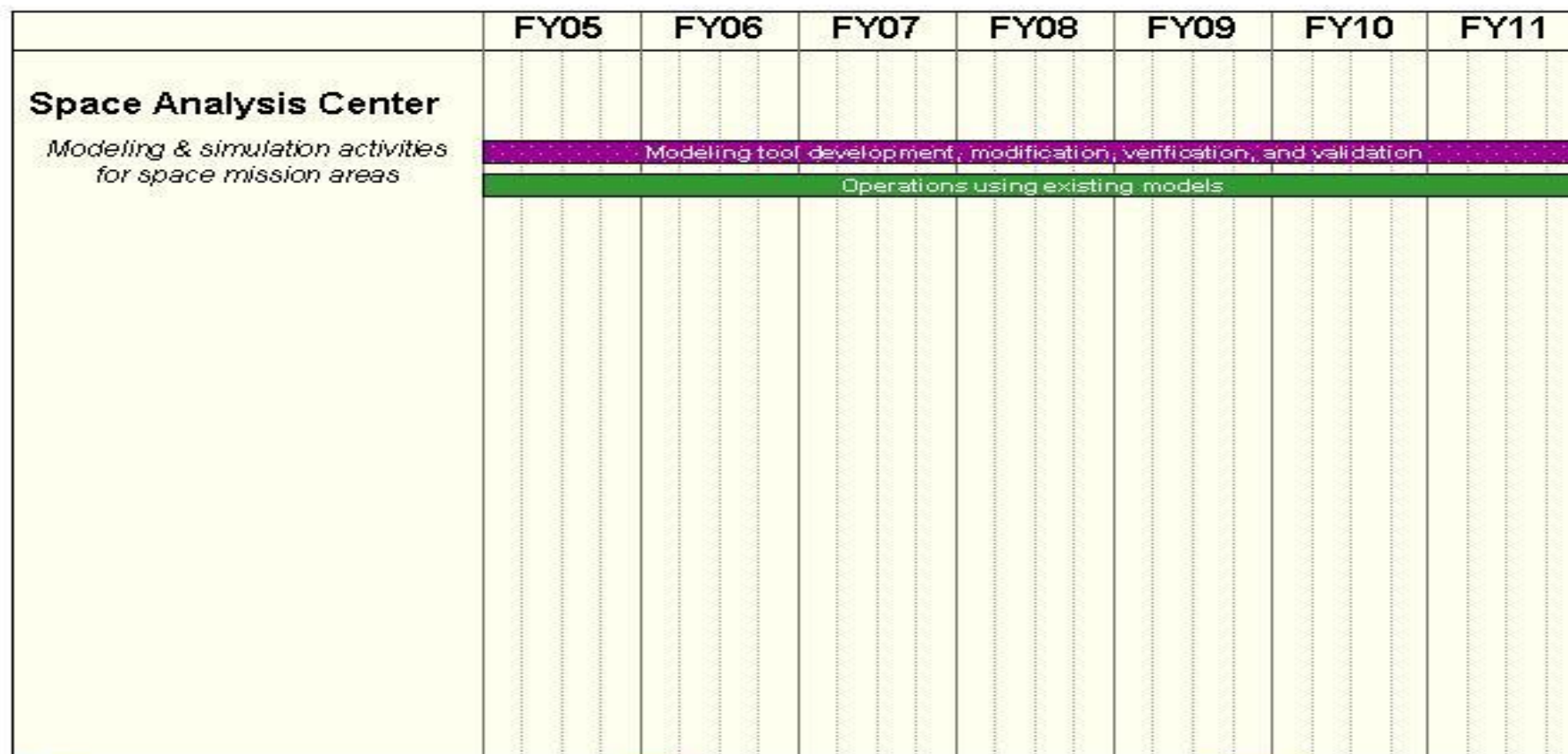
07 Operational System Development



PE NUMBER AND TITLE



0305174F SPACE WARFARE CENTER



PROJECT NUMBER AND TITLE	PROJECT NUMBER	PROJECT TITLE
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100	100	100

R A011 Space Analysis and Application Development



 Concept activities
 Production / fielding

 Design / development
 Operations / sustainment

 Integration / test
 Key events

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Exhibit R-4a, RDT&E Schedule Detail

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Development

(U) Schedule Profile

FY 2005

FY 2006

FY 2007

(U) Model modification, verification, and validation

1-4Q

1-4Q

1-4Q

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