

UNCLASSIFIED

PE NUMBER: 0603858F
 PE TITLE: Space Radar

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2008
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603858F Space Radar
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Cost (\$ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	183.201	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
A004 SBR Concept and Technology Development	183.201	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

In FY 2008 Project 64A004 SBR Concept & Tech Development efforts were transferred from PE 0603858F to another PE.

(U) A. Mission Description and Budget Item Justification

DoD and National users have committed to pursue a common, flexible, agile, and responsive space radar system which will address future intelligence, surveillance, and reconnaissance (ISR) needs of DoD, national intelligence and civil users. Key to this commitment is the continued development of a flexible and agile multi-mode radar providing Synthetic Aperture Radar (SAR), Surface Moving Target Indications (SMTI), High Resolution Terrain Information (HRTI), Advanced Geospatial Intelligence (AGI) and Open Ocean Surveillance (OOS) capabilities. Space Radar will be supported by a ground infrastructure and a space and terrestrial communications network that permits Space Radar data to be stored, processed, exploited, and disseminated within timelines responsive to the needs of the user community. Space Radar will allow a deep look into denied areas of interest in all weather, day or night, without risk to personnel or equipment. Space Radar's on-demand intelligence capability will have global utility during peacetime and across the entire spectrum of conflict. The program is moving toward a progressive capabilities acquisition strategy that better balances affordability with an incremental capability evolution.

Beginning in FY08, funding for the program was transferred to another PE. Additional information may be provided upon request.

(U) B. Program Change Summary (\$ in Millions)

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	266.401	565.470	1,068.093
(U) Current PBR/President's Budget	183.201	0.000	0.000
(U) Total Adjustments	-83.200		
(U) Congressional Program Reductions	-80.298		
Congressional Rescissions	-0.704		
Congressional Increases			
Reprogrammings	-2.198		
SBIR/STTR Transfer			

(U) Significant Program Changes:

Beginning in FY08, the funding for the program was transferred to another PE. Additional information may be provided upon request.

In FY07, the concept definition efforts were adjusted to maximize the use of ground, airborne, and existing space elements to reduce risk, mature radar technologies, and implement concepts for horizontal integration. The technology maturation and development efforts resulted in increased confidence in program cost estimation and payload

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development.

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Cost (\$ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
A004 SBR Concept and Technology Development	183.201	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

In FY 2008 Project 64A004 SBR Concept & Tech Development efforts were transferred from PE 0603858F to another PE.

(U) A. Mission Description and Budget Item Justification

DoD and National users have committed to pursue a common, flexible, agile, and responsive space radar system which will address future intelligence, surveillance, and reconnaissance (ISR) needs of DoD, national intelligence and civil users. Key to this commitment is the continued development of a flexible and agile multi-mode radar providing Synthetic Aperture Radar (SAR), Surface Moving Target Indications (SMTI), High Resolution Terrain Information (HRTI), Advanced Geospatial Intelligence (AGI) and Open Ocean Surveillance (OOS) capabilities. Space Radar will be supported by a ground infrastructure and a space and terrestrial communications network that permits Space Radar data to be stored, processed, exploited, and disseminated within timelines responsive to the needs of the user community. Space Radar will allow a deep look into denied areas of interest in all weather, day or night, without risk to personnel or equipment. Space Radar's on-demand intelligence capability will have global utility during peacetime and across the entire spectrum of conflict. The program is moving toward a progressive capabilities acquisition strategy that better balances affordability with an incremental capability evolution.

Beginning in FY08, funding for the program was transferred to another PE. Additional information may be provided upon request.

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

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) FY07 Accomplishments included technology risk reduction efforts and systems engineering trades to develop progressive capabilities that better balance affordability with incremental capability evolution.	166.871	0.000	0.000
(U) Continue program support activities to include, but not limited to acquisition planning, schedule management, requirements/CONOPS development, source selection, and financial management.	16.330	0.000	0.000
(U) Total Cost	183.201	0.000	0.000

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

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</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>Complete</u>	
(U) Related Office of Director of National Intelligence (ODNI) funding *									
(U) Related DoD funding**									

* ODNI - National Intelligence Program (NIP) funding share is detailed in separate classified ODNI submission
 ** DoD - Military Intelligence Program (MIP) funding share is detailed in separate classified DoD submission

Exhibit R-2a, RDT&E Project Justification

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A004 SBR Concept and Technology
Development(U) **D. Acquisition Strategy**

The Space Radar Integrated Program Office (SR IPO) is currently adjusting SR's acquisition approach and is moving toward a progressive capabilities acquisition strategy that better balances affordability with incremental capability evolution. The new approach is expected to impact the current FY08 and beyond program plan. The FY 2008 Defense Appropriation Conference report anticipates a revised plan in early CY 2008, and the SR IPO is working toward that goal.

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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)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2007 Cost</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>												
Phase A Concept Development/Technology Risk Reduction Activities/Phase B RR & Design Development	Various Contracts	Various		166.871	Oct-06						166.871	
Subtotal Product Development			0.000	166.871		0.000		0.000		0.000	166.871	0.000
Remarks:												
(U) <u>Support</u>												
SMC, ESC, AFSPC, and other agencies	Various Contracts	Various		16.330	Oct-06						16.330	
Subtotal Support			0.000	16.330		0.000		0.000		0.000	16.330	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
N/A											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>												
N/A											0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	183.201		0.000		0.000		0.000	183.201	0.000

Exhibit R-4, RDT&E Schedule Profile

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PROJECT NUMBER AND TITLE

A004 SBR Concept and Technology Development

0603858F Space Radar schedule details are not included in this section for classification reasons. Information may be provided upon request.

Exhibit R-4a, RDT&E Schedule Detail

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PROJECT NUMBER AND TITLE

A004 SBR Concept and Technology Development

(U) Schedule Profile

FY 2007

FY 2008

FY 2009

(U) Details removed due to classification reasons.