PE 101313F FY2005 → 23,391

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

		DATE
BUDGET ACTIVITY	PE NUMBER AND TITLE	**February 2002**
07 - Operational System Development	**0101313F STRAT WAR PLANNING SYS -**	
	USSTRATCOM	PROJECT
		5059

	COST ($ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
5059	Strategic War Planning System (SWPS)	0	0	1,895	1,889	1,785	1,781	1,975	0	0
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description**
Strategic War Planning System (SWPS) Mission Description

The mission of USSTRATCOM is to deter major military attack, especially nuclear attack, on the United States and its allies, and employ forces if deterrence fails. CINCSTRAT's responsibilities are to employ forces as directed by the National Command Authorities (NCA), to conduct strategic reconnaissance operations worldwide, to ensure command, control, communications and intelligence (C3I) capability for strategic force employment worldwide, and to provide support to other combatant commanders as required. To satisfy these missions, SWPS must be capable of both deliberate and adaptive strategic nuclear planning in fixed and mobile planning environments. The command's mission will continue to evolve; therefore, while the current nuclear planning process and system is primarily designed to accommodate strategic nuclear forces, the future planning system must be able to accommodate new missions. Future planning requirements may also be affected by changes in the threat, particularly the worldwide proliferation of Weapons of Mass Destruction (WMD). Functions performed: SWPS automation capabilities create, verify, and produce the Single Integrated Operational Plan (SIOP) and related products. SWPS includes automatic data processing equipment (ADPE), software, facilities support, manpower, and training to support the mission objectives of the SWPS, associated deployable and distributed data processing nodes, and subsidiary systems.

RDT&E dollars will be used to enhance/improve the applications associated with the Theater Application Mission of SWPS which is an evolving United States Strategic Command (USSTRATCOM) requirement is to provide planning and analysis support to the Theater CINCs. This support is to produce preplanned and adaptively planned options for Theater CINC-nominated Weapons of Mass Destruction (WMD) and Nuclear, Chemical and Biological (NBC) targets using nuclear and/or conventional weapons. As an integral component of the Strategic War Planning System (SWPS), SWPS Adaptive Planning (SWPS-AP) is the future operational and technical foundation for USSTRATCOM to supply timely theater planning support to Theater CINCs and combat units. This effort responds to CINC requirements to hold WMD targets at risk. In addition, SWPS-AP will implement a USSTRATCOM integrated, distributed, theater support capability for the future.

Project 5059

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

BUDGET ACTIVITY	PE NUMBER AND TITLE	DATE
07 - Operational System Development	0101313F STRAT WAR PLANNING SYS - USSTRATCOM	February 2002
		PROJECT 5059

(U) **A. Mission Description Continued**

This mission is now accelerating. The current processes are very manual, provide only a limited capability, and cannot meet projected requirements for preplanning or adaptive planning. To meet the growing requirements over the next 7 years, USSTRATCOM needs to improve functional processes, provide automation tools where appropriate to accomplish these processes, streamline communications within the Command and external to the Command, and implement a capability for managing the critical data. SWPS-AP will implement a USSTRATCOM integrated, distributed theater support capability for the future. The objective of the SWPS-AP is to improve, enhance, integrate, field and maintain a set of strategic planning capabilities, which will automate the current manual processes, required to produce decision documents [Theater Nuclear Planning Document (TNPD) and Theater Planning Support Document (TPSD)] for the theater Commanders-in-Chief (CINCs). Some additional capabilities will be added in this automation process. Current legacy software / tools will be integrated through the use of information compatibility using the United States Strategic Command (USSTRATCOM) Enterprise Database (EDB). Distributed collaborative planning will be established with the theater staffs, including the theater CINC staff and the Joint Force Air Component Commander (JFACC) staff, to enhance decision-making and Air Tasking Order (ATO) integration efforts. SWPS-AP will meet interoperability requirements through compliance with the Defense Information Infrastructure and Common Operating Environment (DII-COE).

SWPS-AP provides automated tools to improve the planning, preparation, and future execution of USSTRATCOM support to the theater CINCs in peacetime, exercise, and wartime environments primarily at the force level with some unit level support. In this context, 'force level' refers to the headquarters elements of a United States Air Force (USAF) or US Navy (USN) operating command, or of a numbered air force, unified command, sub-unified command, joint task force, or combined (multi-national) command. 'Unit-level' refers to the wings and squadrons, which take direction from the force level organization.

(U) FY 2001 ($ in Thousands)
(U) $0   No Activity
(U) $0   Total

(U) FY 2002 ($ in Thousands)
(U) $0   No Activity
(U) $0   Total

(U) FY 2003 ($ in Thousands)
(U) $1,895   Improvements/Enhancements/Integrations/Test for SWPS-AP and SWPS planning tools
(U) $1,895   Total

Project 5059

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

		DATE
	PE NUMBER AND TITLE	February 2002
BUDGET ACTIVITY	0101313F STRAT WAR PLANNING SYS -	PROJECT
07 - Operational System Development	USSTRATCOM	5059

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

Strategic War Planning System is in budget activity 7, Operational System Development, because the program is operational and currently supports automated capabilities to create, verify, and produce the Single Integrated Operational Plan (SIOP) and other products.

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

	FY 2001	FY 2002	FY 2003	Total Cost
(U) Previous President's Budget				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 2002 PBR				
(U) Current Budget Submit/FY 2003 PBR		1,895		TBD

(U) **Significant Program Changes:**

Funding adjustment in Program Decision Memorandum IV to support improving existing planning tools and interfaces necessary to meet growing theater planning support above current capacity.

(U) **D. Other Program Funding Summary ($ in Thousands)**

	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
(U) AF RDT&E	0	0	1,895	1,889	1,785	1,781	1,975	Continuing	TBD
(U) Other Procurement, AF WSC 833140 Strategic Command and Control	12,399	5,650	8,640	10,761	10,344	8,886	8,420	Continuing	TBD
(U) Operations and Maintenance, AF	44,880	44,917	48,181	48,016	48,955	50,308	50,926	Continuing	TBD

Project 5059

Exhibit R-2 (PE 010131F)

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

BUDGET ACTIVITY	PE NUMBER AND TITLE	DATE
07 - Operational System Development	0101313F STRAT WAR PLANNING SYS - USSTRATCOM	February 2002
		PROJECT 5059

(U) **D. Other Program Funding Summary ($ in Thousands)**

	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
(U) Military Personnel, AF	3,640	1,921	2,144	2,213	2,296	2,383	2,471	Continuing	TBD
(U) Other APPN									

(U) **E. Acquisition Strategy**

The theater application requirements will be executed using current contract vehicles. This saves time, money, and streamlines the overall program execution. USSTRATCOM has acquisition contracts in place and within scope to develop this subsystem. Based on existing and planned workloads for these contracts, USSTRATCOM will prioritize and allocate work, and provide contractual direction to proceed consistent with available funding for each contractor. USSTRATCOM has flexibility in allocating tasks across these contracts when resources are not available or there exists acquisition risk mitigation approaches that vary from the USSTRATCOM development contractor normal role.

SWPS encompasses software maintenance and hardware maintenance in open systems architecture. The major contractors for the SWPS projects are:

British Aerospace Engineering (BAE) for Air Vehicle application tools.
Logicon for the Automated, Quality Review and Analysis Software Support.
SAIC for Targeting IPT tool support.
Lockheed Martin Mission Systems provides analysis model support, hardware maintenance, and systems engineering.

(U) **F. Schedule Profile**

(U) Air Vehicle Planning Threat Assessment Software Modification
(U) Functional Analysis Model Modifications
(U) Quality Review application study of the Theater requirements
(U) Earth Penetration Weapon Targeting
(U) Theater Nuclear Options/Dachler Targeting Re-engineering
(U) Systems Engineering and Test Support

	FY 2001 1	2	3	4	FY 2002 1	2	3	4	FY 2003 1	2	3	4
											X	X
											X	X
											X	X
											X	X
											X	X
											X	X

Project 5059