| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit | USTIFIC           | ATION               | SHEET               | (R-2 Ex             | hibit)                            |                     | DATE                | February 2002       | ry 2002    |
|----------------------------------------------------|-------------------|---------------------|---------------------|---------------------|-----------------------------------|---------------------|---------------------|---------------------|------------|
| BUDGET ACTIVITY                                    |                   |                     | PE NUMBE            | PE NUMBER AND TITLE |                                   |                     |                     |                     | PROJECT    |
| 07 - Operational System Development                |                   |                     | 010131              | 3F STRA             | 0101313F STRAT WAR PLANNING SYS - | LANNIN              | G SYS -             |                     | 5059       |
|                                                    |                   |                     | USSTR               | USSTRATCOM          |                                   |                     |                     |                     |            |
| COST (\$ in Thousands)                             | FY 2001<br>Actual | FY 2002<br>Estimate | FY 2003<br>Estimate | FY 2004<br>Estimate | FY 2005<br>Estimate               | FY 2006<br>Estimate | FY 2007<br>Estimate | Cost to<br>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

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

operational and technical foundation for USSTRATCOM to supply timely theater planning support to Theater CINCs and combat units. This effort responds to CINC and/or conventional weapons. As an integral component of the Strategic War Planning System (SWPS), SWPS Adaptive Planning (SWPS-AP) is the future adaptively planned options for Theater CINC-nominated Weapons of Mass Destruction (WMD) and Nuclear, Chemical and Biological (NBC) targets using nuclear Strategic Command (USSTRATCOM) requirement is to provide planning and analysis support to the Theater CINCs. This support is to produce preplanned and 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 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

Page 1 of 7 Pages

Exhibit R-2 (PE 0101313F)

UNCLASSIFIED

PE 1013/3F F72005 -> 23,391

| PERUMBER AND TITLE  O101313F STRAT WAR PLANNING SYS  USSTRATCOM  PERUMBER AND TITLE  O101313F STRAT WAR PLANNING SYS  USSTRATCOM  Incesses are very manual, provide only a limited capability, and cannot meet projected rements over the next 7 years, USSTRATCOM needs to improve functional processes, pre miline communications within the Command and external to the Command, and implem STRATCOM integrated, distributed theater support capability for the future. The objet a set of strategic planning capabilities, which will automate the current manual processes are very manual processes, premise as the strategic planning capabilities, which will automate the current manual processes are of strategic planning capabilities, which will automate the current manual processes are of strategic planning capabilities, which will automate the current manual processes are of strategic planning capabilities, which will automate the current manual processes. Current legacy software / took will be integrated through the use of information process. Current legacy software / took will be integrated through the use of information process. Current legacy software / took will be integrated through the use of information processes. Proposed as the planning will be established to the state of the set of the set of the state of the planning through the use of information infrastructure and Common the force level with some unit level support. In this context, 'force level' refers to the theate the force level with some unit level support. In this context, 'force level' refers to the theate the force level organization, and support to the wings and squadrons, which take direction from the force level organization the force level organization the force is the wings and squadrons, which take direction from the force level organization the military and support. The force is the wings and squadrons, which take direction from the force level organization the force is the planning to t | Pro                 | 999                                                                                                 | 999                                           | 999                                           |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (J)                                                                                                                                                                                                                                                                     | вида<br><b>07</b> -                                    | Law systems                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------|
| PENUMBER AND TITLE  O101313F STRAT WAR PLANNING SYS -  PROJECT O101313F STRAT WAR PLANNING SYS -  PROJECT O105STRATCOM  PROJECT SOSTRATCOM  PROJECT PROJECT PROJECT FROM  PROJECT PROJ | Project 5059 Page 2 | FY 2003 (\$ in Thousands) \$1,895 Improvements/Enhancements/Integrations/Test for SWF \$1,895 Total | FY 2002 (\$ in Thousands)  No Activity  Total | FY 2001 (\$ in Thousands)  No Activity  Total | SWPS-AP provides automated tools to improve the planning, preparation, and exercise, and wartime environments primarily at the force level with some unit United States Air Force (USAF) or US Navy (USN) operating command, or of combined (multi-national) command. 'Unit-level' refers to the wings and square | the critical data. SWPS-AP will implement a USSTRATCOM integrated, distribution improve, enhance, integrate, field and maintain a set of strategic planning capa documents [Theater Nuclear Planning Document (TNPD) and Theater Plannin additional capabilities will be added in this automation process. Current legace the United States Strategic Command (USSTRATCOM) Enterprise Database (including the theater CINC staff and the Joint Force Air Component Command efforts. SWPS-AP will meet interoperability requirements through compliance (DII-COE). | A. Mission Description Continued  This mission is now accelerating. The current processes are very manual, provadaptive planning. To meet the growing requirements over the next 7 years, U appropriate to accomplish these processes, streamline communications within | виддет астіліту<br>07 - Operational System Development | RDT&E BUDGET ITEM JUSTIFICATION S |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | S-AP and SWPS planning tools                                                                        |                                               |                                               | future execution of USSTRATCOM support to the theater CINCs in level support. In this context, 'force level' refers to the headquarters e a numbered air force, unified command, sub-unified command, joint I brons, which take direction from the force level organization.                                      | ibuted theater support capability for the future. The objective of the Sbilities, which will automate the current manual processes, required to g Support Document (TPSD)] for the theater Commanders-in-Chief (or software / tools will be integrated through the use of information cor EDB). Distributed collaborative planning will be established with the ler (JFACC) staff, to enhance decision-making and Air Tasking Orders with the Defense Information Infrastructure and Common Operating                                                             | ide only a limited capability, and cannot meet projected requirements SSTRATCOM needs to improve functional processes, provide autom                                                                                                                                    |                                                        | DATE                              |

| <b>07</b> - | RDT&E BUDGET ITEN BUDGET ACTIVITY  07 - Operational System Development (U) B. Budget Activity Justification Strategic War Planning System is in hudget activity.                                                                                                 | ET ITEM                             | JUSTIFI                            | BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)  PE NUMBER AND TITLE 0101313F STRAT WAF USSTRATCOM  iffication  System is in budget activity 7. Operational System Development because the program. | SHEET (R-2 EXPENDENT ITLE O101313F STRAUMSTRATCOM | R-2 Exhi AND TITLE  STRAT I TCOM |                     | NING SY | February 2002 PRO |                                                 |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------|---------------------|---------|-------------------------------------------------------|-------------------------------------------------|
| $\Xi$       | <b>B. Budget Activity Justification</b> Strategic War Planning System is in budget activity 7, Operational System Development, because the program capabilities to create, verify, and produce the Single Integrated Operational Plan (SIOP) and other products. | budget activ                        | vity 7, Operati<br>1gle Integratec | onal System D<br>  Operational F                                                                                                                                                                  | evelopment, b<br>lan (SIOP) an                    | ecause the pro                   |                     | ional a | and curi                                              | is operational and currently supports automated |
| (I)         | C. Program Change Summary (\$ in Thousands)                                                                                                                                                                                                                      | in Thousan                          | ds)                                |                                                                                                                                                                                                   |                                                   | EV 2001                          | EV 200              | 5       | 9                                                     | EV 2002                                         |
| 99          | Previous President's Budget                                                                                                                                                                                                                                      |                                     |                                    |                                                                                                                                                                                                   |                                                   | FY 2001                          | FY 2002             | 12      | U                                                     | FY 2003<br>1,895                                |
| 93          | Adjustments to Appropriated Value                                                                                                                                                                                                                                |                                     |                                    |                                                                                                                                                                                                   |                                                   |                                  |                     |         |                                                       |                                                 |
|             | <ul><li>a. Congressional/General Reductions</li><li>b. Small Business Innovative Research</li><li>c. Omnibus or Other Above Threshold Reprogram</li></ul>                                                                                                        | ıs<br>rch<br>old Reprogra           | m                                  |                                                                                                                                                                                                   |                                                   |                                  |                     |         |                                                       |                                                 |
| 99          | e. Rescissions Adjustments to Budget Years Since FY 2002 PBR Current Budget Submit/FY 2003 PBR                                                                                                                                                                   | FY 2002 PI<br>3R                    | 3R                                 |                                                                                                                                                                                                   |                                                   |                                  |                     |         |                                                       | 1,895                                           |
| (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.                                         | cision Memo                         | randum IV to                       | support impro                                                                                                                                                                                     | ving existing [                                   | planning tools                   | and interfaces      | nece    | essary to r                                           | ssary to meet growing the                       |
| 9           | D. Other Program Funding Summary (\$ in Thousands)  FY 2001  Actual  Estimate                                                                                                                                                                                    | nary (\$ in T)<br>FY 2001<br>Actual | housands) FY 2002 Estimate         | FY 2003<br>Estimate                                                                                                                                                                               | FY 2004<br>Estimate                               | FY 2005<br>Estimate              | FY 2006<br>Estimate |         | FY 2007<br>Estimate                                   | -Y 2007 Cost to Estimate Complete               |
| 99          | AF RDT&E Other Procurement, AF WSC 833140 Strategic Command and Control                                                                                                                                                                                          | 0<br>12,399                         | 0<br>5,650                         | 1,895<br>8,640                                                                                                                                                                                    | 1,889<br>10,761                                   | 1,785<br>10,344                  | 1,781<br>8,886      |         | 1,975<br>8,420                                        | 2 2                                             |
| (U)         | Operations and Maintenance, AF                                                                                                                                                                                                                                   | 44,880                              | 44,917                             | 48,181                                                                                                                                                                                            | 48,016                                            | 48,955                           | 50,308              |         | 50,926                                                | 50,926 Continuing                               |
| _           | Project 5059                                                                                                                                                                                                                                                     |                                     |                                    | Pag                                                                                                                                                                                               | Page 3 of 7 Pages                                 |                                  |                     |         |                                                       | Exhibit R-2 (PE 0101313F)                       |

| Exhihit R-9 (PE 0101313E)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                               |                                        |                                                                  | Page 4 of 7 Pages                                             | Pag                                                                   |                                                                                   |                                                                                         | 5059                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Project 5059                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ,                                                                             |                                        |                                                                  |                                                               | ä                                                                     | re Modification requirements regineering                                          | sessment Softwa<br>lifications<br>ly of the Theater<br>eting<br>er Targeting Re-e       | Air Vehicle Planning Threat Assessment Software Modification Functional Analysis Model Modifications Quality Review application study of the Theater requirements Earth Penetration Weapon Targeting Theater Nuclear Options/Dachler Targeting Re-engineering Systems Engineering and Test Support                                                                                                                                                                                                                                                                                                                                                                                                                     | (U) Air V (U) Func (U) Qual (U) Earth (U) Thea (U) Syste |
| <u>FY 2003</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u>FY 2002</u><br>2 3 ,                                                       | 2                                      | 4                                                                | <u>FY 2001</u><br>2                                           | <b>-</b>                                                              |                                                                                   |                                                                                         | F. Schedule Profile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ἀσ                                                                            | engineering.                           | , and systems                                                    | e maintenance                                                 | ion tools.<br>tware Support.<br>pport, hardwa                         | ehicle applicat<br>Analysis Soft<br>lysis model su                                | (BAE) for Air V.<br>ality Review and<br>pport.<br>ems provides ana                      | 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 engine                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |
| contractors for the SWPS projects are:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ractors for the S                                                             | The major cont                         |                                                                  | n systems arch                                                | tenance in ope                                                        | ıardware main                                                                     | naintenance and h                                                                       | SWPS encompasses software maintenance and hardware maintenance in open systems architecture.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SWI                                                      |
| 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. | streamlines the c<br>nd planned work<br>able funding for<br>isk mitigation ap | noney, and an existing and twith avail | saves time, n<br>em. Based on<br>eed consisten<br>there exists a | vehicles. This op this subsyst rection to procot available or | arrent contract<br>scope to devel<br>contractual di<br>esources are n | ccuted using cuce and within ce and provide k, and provide ntracts when r l role. | nents will be exent contracts in plant and allocate worse across these contractor norma | 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. USSTR has flexibility in allocating tasks across these contracts when resources are not available or there exists acquisition risk mitigation approaches that vary from USSTRATCOM development contractor normal role. | (U) E.A The USS USS has t USS                            |
| Cor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                               | <u>Estimate</u> 2,383                  | <u>Estimate</u> 2,296                                            | <u>Estimate</u> 2,213                                         | <u>Estimate</u> 2,144                                                 | <u>Estimate</u><br>1,921                                                          | <u>Actual</u><br>3,640                                                                  | Military Personnel, AF<br>Other APPN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (U) Mili<br>(U) Othe                                     |
| Cost to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6 FY 2007                                                                     | FY 2006                                | FY 2005                                                          | FY 2004                                                       | FY 2003                                                               | housands)<br>FY 2002                                                              | ummary (\$ in T<br>FY 2001                                                              | D. Other Program Funding Summary (\$ in Thousands) FY 2001 FY 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (U) <u>D. C</u>                                          |
| РВОЈЕСТ<br><b>5059</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PLANNING SYS -                                                                |                                        | PE NUMBER AND TITLE 0101313F STRAT WAR USSTRATCOM                | PE NUMBER AND TITLE 0101313F STRA USSTRATCOM                  |                                                                       |                                                                                   | evelopment                                                                              | 07 - Operational System Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 07 - Operatic                                            |
| February 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ×                                                                             | ibit)                                  | R-2 Exh                                                          | SHEET                                                         | ICATION                                                               | JUS II                                                                            | טשבו וובו                                                                               | TO I AE BODGE! II EM JOSIIFICATION SHEET (R-2 Exhibit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          |